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The

# CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER



Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3163  
VOL. CXXXIII

SEPTEMBER 21, 1940

Annual Subscription (with  
Diary) 25/- Single Copies 9d.



# HALT!

*who goes there?*

"Friend or foe?" that is the question . . . a question that is answered by a shattering shout of "Friend!" through the whirr of wheels and clatter of activity re-echoing throughout Burgoyne's works today.

It is the noise of a busy organisation, harnessed to the nation and the nation's needs.

Home Trade is still a vital necessity—Export Trade, imperative; and Burgoyne both demands with of service that dis- the more spacious Burbidges are meeting that same consistency tingished them in days of peace.



## BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON.E.6



*Sell*  
**Euthymol**  
*A Profitable Commodity*

OPEN  
**Euthymol**  
TOOTH PASTE

A  
SCIENTIFIC  
TOILET  
PREPARATION  
MADE IN ENGLAND

**EUTHYMOL**  
TOOTH PASTE

PARKE,  
DAVIS  
& CO.  
50, BEAK ST.,  
LONDON  
W.1.

GRAND PRIX (Hig)  
A SCIENTIFIC  
TOILET  
PREPARATION  
**EUTHYMOL**  
TOOTH PASTE  
PARKE  
DAVIS  
& CO.  
LONDON

**SEND  
FOR  
TERMS**



# Ostomalt

**needed  
more than ever this winter**

| Parcel No.           | 1                    | 2                | 3                   | 4                    |
|----------------------|----------------------|------------------|---------------------|----------------------|
| Contents             | 36x½ lb.             | 24x1 lb.         | 18x½ lb.<br>6x1 lb. | 12x½ lb.<br>12x1 lb. |
| Retail Price per jar | 1/9                  | 3/-              | 1/9<br>3/-          | 1/9<br>3/-           |
| Cost per Parcel      | £ s. d.<br>15 52 0 6 | £ s. d.<br>1 7 9 | £ s. d.<br>1 2 1    |                      |
| Parcel sells for     | 3 3 03               | 12 02            | 9 62                | 17 0                 |
| Profit per Parcel    | 1 7 7                | 11 6             | 1 9                 | 14 11                |

\* Including 2 x ½ lb. FREE  
† Including 3 x 1 lb. FREE Profit 43%

Never before has the need for balanced nourishment been so great. The supreme industrial effort and intensified enemy action have put an immense strain on reserves of stamina and nerve.

Now is the time for Ostomalt, the concentrated vitamin malt. In a tonic malt base, Ostomalt supplies vitamins A, B, C and D, all essential to keen, sustained health. With Ostomalt in the cupboard, your customers are independent of malt-and-oil and other vitamin sources of which supplies are uncertain. A fine tonic food for children, Ostomalt is equally beneficial to adults, particularly to hasten the process of convalescence to full recovery. Stock up with Ostomalt now, bonus — yes, bonus parcels are still available, showing 43% profit.

½ lb. jars 1/9 (42 doses), 1 lb. jars 3/- (84 doses)

**BONUS PARCELS SHOW 43% PROFIT**

GLAXO LABORATORIES LTD., GREENFORD, MIDDX. BYR on 3434

*It's time you  
had some  
good news*

**REDUCED PRICES**

for all sizes of

**ADEXOLIN**

**CAPSULES and LIQUID**

## NEW PRICES

### ADEXOLIN CAPSULES

25, from 2/6 to 2/-; 100, from 7/6 to 6/-; 500, from 30/6 to 24/-; 1,000, from 56/- to 45/-.

### ADEXOLIN LIQUID

½ oz., from 2/6 to 2/-; 2 oz., from 7/6 to 6/-; 4 oz., from 12/6 to 10/-; 8 oz., from 22/6 to 18/-.

Today, when foods, especially protective foods, are rising rapidly in price, and becoming scarce—we have made a dramatic counter-move. A move which will help you meet the big autumn and winter vitamin business that is certain this year. On and from Sept. 23rd, face prices of Adexolin (concentrates of vitamins A and D) are reduced, as shown on the left. These price reductions are in line with our policy of lowering costs to the public whenever production increases permit, irrespective of the general, 'outside' price-trend. And, also in accordance with our policy, the chemist's interests are fully safeguarded. Credit for the price-difference is granted on all existing stocks.

Remember that Adexolin has double the value it had in peacetime, both because there is increased need for vitamin-protection and because (thanks to Press and Government) the public is becoming increasingly 'vitamin-conscious'.

**ADEXOLIN DISPLAY PARCELS SHOWING 33% PROFIT ALWAYS AVAILABLE**

GLAXO LABORATORIES LIMITED, GREENFORD, MIDDLESEX. BYR on 3434





"GOLDEN STILL"

## Eau de Cologne

IN a presentation of French design, the original 'Golden Still' formula is carefully followed to produce a refreshing Cologne of incomparable quality and lasting fragrance.

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*In the same successful pack as Old Cottage Lavender, but in white bottles with orange caps, at 1/3, 1/9, 2/9, 3/9, 5/-. Trial Size 6d.*

J. GROSSMITH & SON, LTD.  
Makers of fine Perfumes for  
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# Rationing

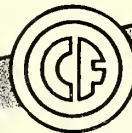
increases the demand for

## Nutritious RADIO-MALT

Because it supplies extra nourishment Radio-Malt has always been in big demand for children and those run-down in health. Now, under rationing conditions, the need for this extra nourishment has reached every family. Order stocks now and recommend Radio-Malt for war-time nutrition.

**P.A.T.A. PRICES**  
(Home Trade)

2/-, 3/6, 6/6, less 33 $\frac{1}{3}$ % to pharmacists.  
Special terms for displays.

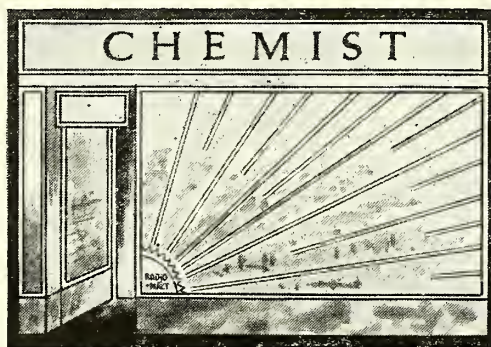


# A · R · P

*Radio-Malt Anti-Splinter Strips Protect Windows*

*and Help Sales*

To help build your sales of Radio-Malt and to contribute to war-time safety we have incorporated Radio-Malt publicity matter in an anti-splinter window device. The material is attractive and bold — yet dignified enough for any window. The paper of the device is gummed and varnished and is affixed to the OUTSIDE of the window. Supplied in sufficient quantity to permit alternative arrangements from the three standard designs suggested. One or more packages free to any pharmacist on request.



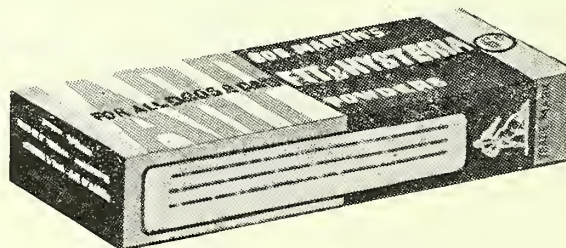
THE BRITISH DRUG HOUSES LTD., GRAHAM STREET, LONDON, N.1





Instant success has followed the introduction of Bob Martin's Fit and Hysteria Powders, the new A.R.P. sedative for dogs and cats. Whilst thanking our retailer friends for their help in distributing this vital wartime need, we are also able to assure them that the output has been increased and all orders can now be executed promptly.

An advertising campaign to bring the powders to the attention of dog and cat owners is being conducted in the national dailies and weeklies. Dealers have the opportunity to co-operate with these announcements by showing the Fit and Hysteria Powders display material, and copies of the free booklet "Your Dog and Cat in Wartime."



**BOB MARTIN LTD., SOUTHPORT, LANCs.**



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### for Feminine Hygiene

W. J. RENDELL LTD.

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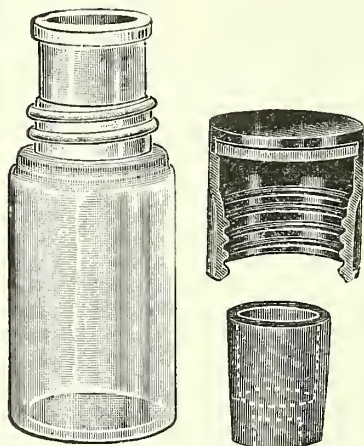
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# The 'Clinbritic' Vaccine Bottle

Patent No. 492200

MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS



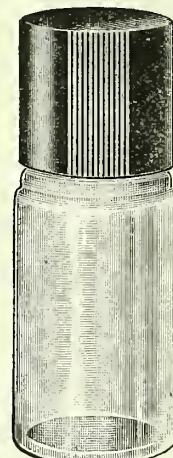
Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.

No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

The india rubber vaccine cap, of special design, is protected by a screw bakeiite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.

SAMPLES, PRICES & FULL DETAILS ON REQUEST



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# VENO ★ ENO ★ THERMOGENE



**The new and simplified buying arrangements mean INCREASED PROFITS for YOU!**

There is a clear advantage to buyers, both in added convenience and in actual profit, under the new buying arrangements for Venos, Eno and Thermogene Products. **Kindly write at once if you have not received full details of these combined terms.** The amazing Goodwill represented by these three famous names is something to make the most of—all the year round. So keep up your stocks! Come what may your customers will continue to ask for the brands they can trust. Let us know your requirements in good time, so that we may support you to the very best of our ability.

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CHESTER ROAD • MANCHESTER 16



# For the COMMON COLD

**EPHEDRINE NASAL OIL**  $\frac{1}{2}$  oz. 8/6 doz.

Complete with dropper

1 oz. 12/6 „

**LIGHTNING INHALANT** Popular size 4/- „

A vaporant of great efficiency

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**NAZALGENE BRAND INHALANT** 9/3 „

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Soothing and gives prompt relief

Prices  
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fluctuations  
and  
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being  
available



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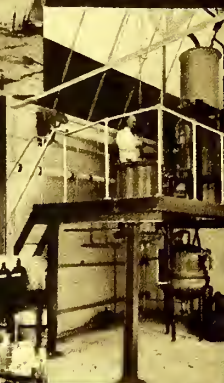
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## SEVENSEAS COD LIVER OIL

The deep-sea fishing fleets have now been absorbed by the Royal Navy to such an extent that cod liver oil production has practically ceased.

Pure medicinal cod liver oil is already scarce and most of the bulk oil has been distributed equitably to the trade. It is difficult, or even impossible, to get future supplies.

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*Let the Bottles* *Sell the Goods*  
*this Xmas!*



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 1 " 4/6 "

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AN ALL-BRITISH NOVELTY  
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SLOUGH 21864





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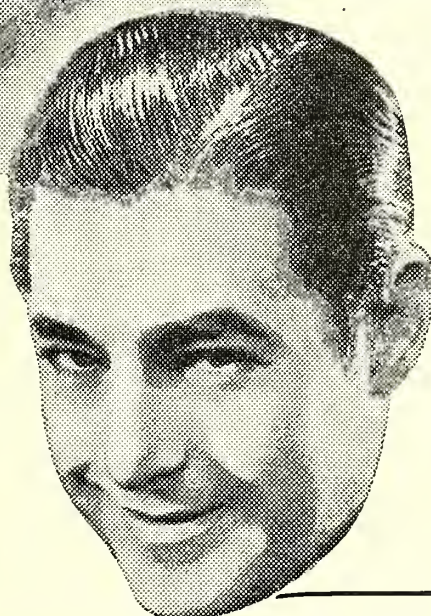


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Second  
to  
None

For Over

50  
YEARS



**SEND  
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TO-DAY**

HARLENE HAIR TOILET Preparations have enjoyed an uninterrupted demand for over 50 years. The public know them to be without equal. A large and extensive Advertising Campaign is constantly reminding them that for their every hair problem there is a Harlene answer. Check up your needs now from the range alongside. Make sure of obtaining a good stock because Harlene Shelves soon empty.

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- **PROMOTES THE GROWTH**
- **GETS RID OF DANDRUFF**
- **PERFECT DAILY DRESSING**
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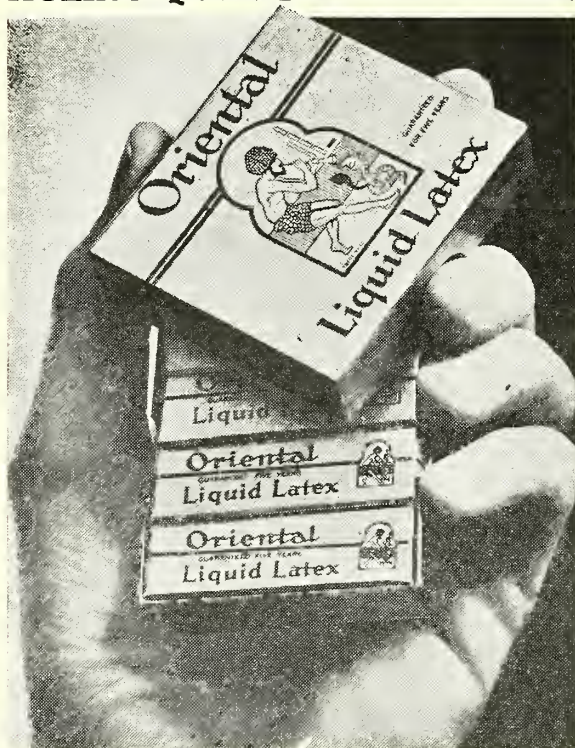
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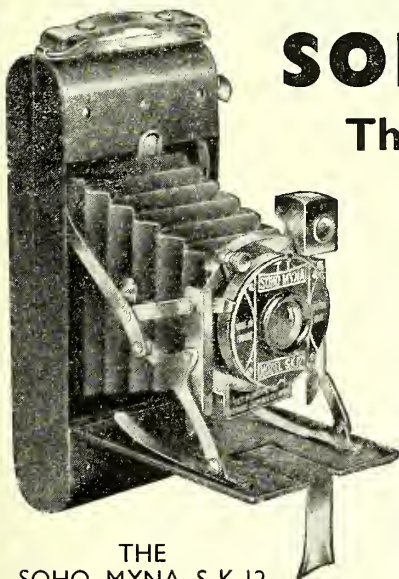
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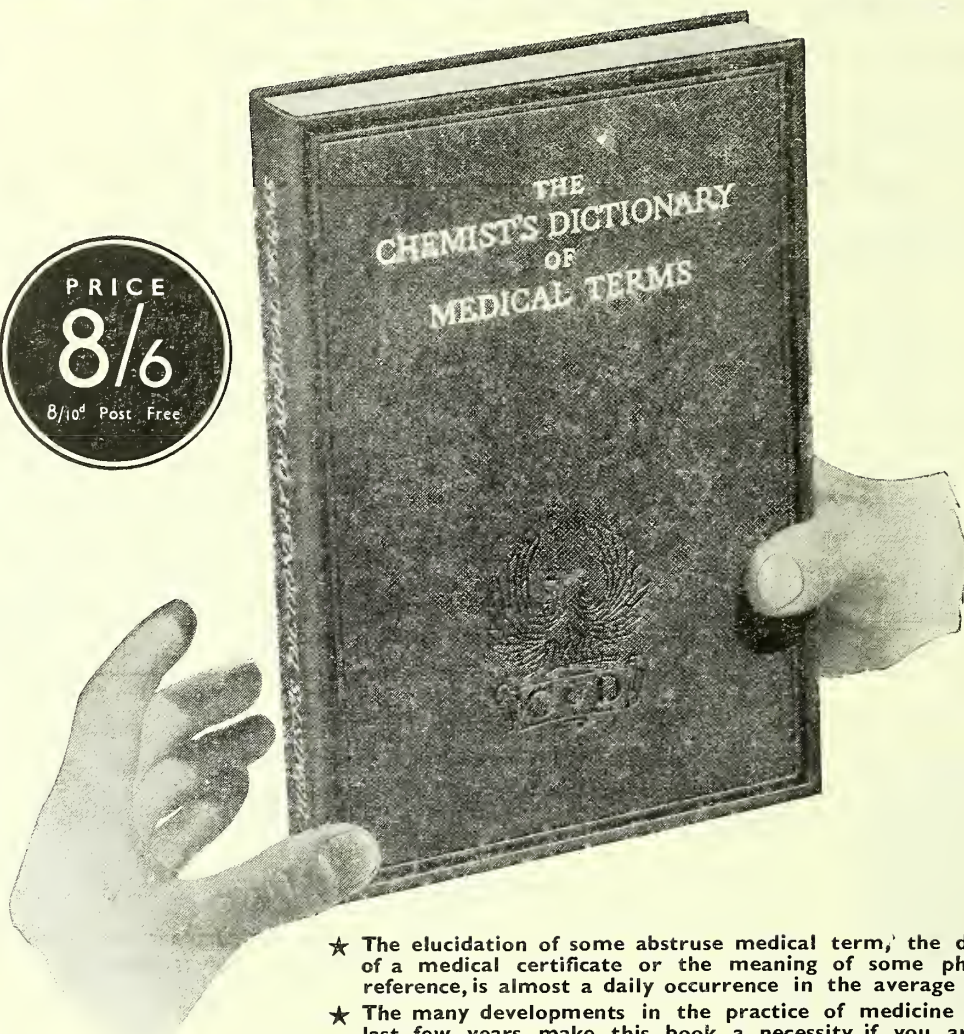
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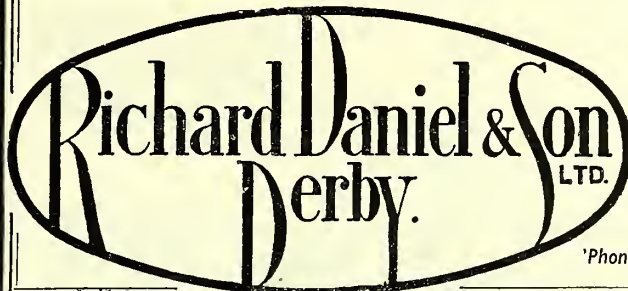
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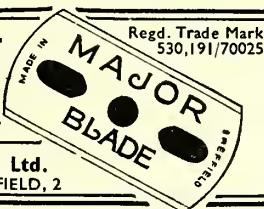
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## Dental Fixative Cream

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actual package of  
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Photo of actual  
package of bottle  
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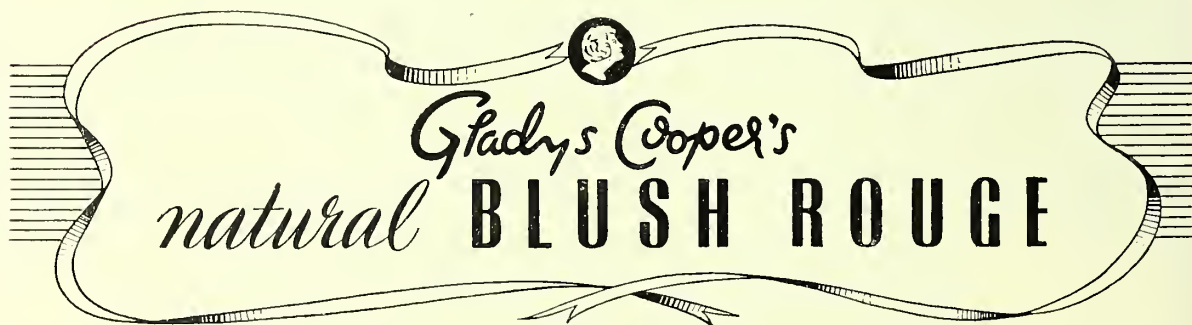




So here's the celebrated Gladys Cooper Blush Rouge — recommended by the Beauty Editors of every notable paper for women—in a new and handy pack ; delightfully attractive and costing only 1s. 6d. It is available in a convenient

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This old-fashioned cough and cold remedy will not suffer by the sugar rationing. It is just as effective when made up with black currant or your customer's own favourite jam.

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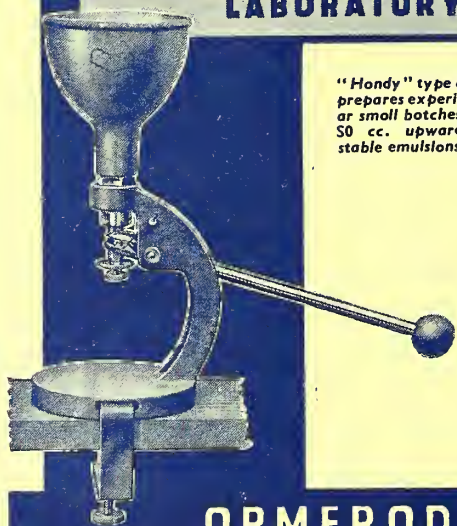
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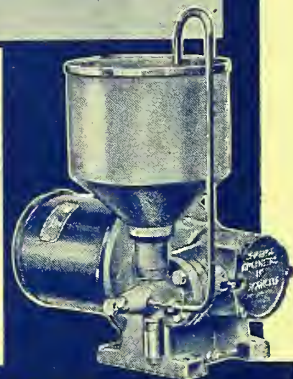
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'Q.P.' Emulsifiers, both hand and power types are simple to operate, rapidly giving a beautifully textured, stable emulsion by just mixing the ingredients and pumping through.

Easily cleaned; all working parts of stainless steel of non-corroding alloy which will stand normal chemical action.

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1·2·3

## BATH SOAP

AND NEW SERIES TO MATCH



Bath Soap 1/2 per tablet (also Toilet size 7d. per tablet, Guest size 4½d. per tablet).

|                |                  |               |              |            |
|----------------|------------------|---------------|--------------|------------|
| Dusting powder | Feather Crystals | Talcum Powder | Bath Essence | Bath Cubes |
| 3/6            | 2/6 4/- 6/9      | 2/-           | 3/-          | 1/6 & 2/6  |

*The above are current retail prices, subject to usual trade discounts.*

The series is available in Lavender, Honeysuckle & Verbena Bouquet.

*In* response to frequent and repeated requests BRONNLEY have great pleasure in presenting a new series of Toilet preparations to match their renowned 1·2·3 BATH SOAP. This new series is in harmony with the distinction and quality of all BRONNLEY preparations and will make instant appeal to discriminating buyers.

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17" NINA BARRIE HANKY  
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*Assorted designs*



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3½" BOWL LAMDOWN  
Puff... *Assorted colours*



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36 Lotion or Cleansing  
Pads in cellophane  
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SKIPPER COSMETIC BAGS  
in Taffetas, Stripes and  
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with LAMDOWN  
Puff.*

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25 Lotion Pads  
in tray container,  
cellophane  
wrapped.  
*Assorted  
colours.*



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*Assorted designs*

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## Christmas Gifts planned by



Goya presents his five attractive Christmas Gift packs. He is repeating last years three successes (1) The Picture Frame (2) The Calendar (with 1941 monthly Calendar) and (3) The joyous pink Christmas Cracker, each containing three 1/3 handbag phials of Goya perfume, retailing at 3/9 complete. (Trade 30/- dozen)

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### PERFUME, FACE POWDER, BATH ESSENCE

GOYA, PICCADILLY, LONDON, W.1



# Sales increasing every month!



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the  
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in Denture Cleansers

No other perborate denture cleanser offers the same **quantity** in relation to cost. Withal, the **quality** of Sanident is unsurpassed and rarely does a "first sale" fail to make a regular customer.

Many dentists now recommend Sanident to their patients.

There is a profit to the Chemist of 6d. on every bottle sold.

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Retail **1/3** per bottle

Trade price **9/-** per doz.

THORNTON & ROSS LTD., LINTHWAITE, HUDDERSFIELD

TR 85

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increase your

## XMAS TRADE



"IVORY PILOT" SET  
2/6  
WARDONIA BLADES  
4 for 1/-

Take care to have good stocks of Wardonia Razors and Blades for your Christmas trade, and increase your turnover. Write for Trade Price Lists and Catalogue Free.



Order NOW from the sole makers:  
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## "Adaptocaps"

### SELF-SEALING CAPSULES

FOR ALL  
BOTTLE  
CAPPING

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CAPSULE REMOVER  
ENSURES EASY AND  
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# VINOLIA PACKS

## ★ *NOT affected*

*by the*

## Limitation of Supplies Order

### VINOLIA SOAP

*Per doz.  
Subject*

|       |                                     |      |     |
|-------|-------------------------------------|------|-----|
| *5011 | Display box of 12                   | ..   | 4/6 |
| *5012 | Carton of 3                         | ..   | 4/7 |
| 5012a | do. with Christmas Greetings Sleeve | ..   | 4/7 |
| 5018  | "Book" of 4 tabs. boxes             | 20/3 |     |
| 5051  | Carton of 3 Bath tabs.              | ..   | 7/6 |
| 5051a | do. with Christmas Greetings Sleeve | ..   | 7/6 |

\* Occasionally we may be compelled to supply in cardboxes of 36 or woodboxes of 144.

### BABY SOAP

|       |  |          |      |
|-------|--|----------|------|
| 5411  | Carton of 3                                      | ..       | 5/4  |
| 5411a | do. with Christmas Greetings Sleeve              | ..       | 5/4  |
| 5412  | Display box of 12                                | ..       | 5/2  |
| 5413  | "Book" of 4 tabs. with "Hygiene of Baby" Booklet | .. boxes | 22/6 |

### VESTAL SOAP

|      |                              |      |
|------|------------------------------|------|
| 6011 | Extra large tab. in box of 3 | 31/6 |
| 6012 | Toilet tab. in box of 12     | 18/- |

### OTTO SOAP

|      |                             |      |
|------|-----------------------------|------|
| 6036 | Standard tab. in box of 3   | 7/11 |
| 6137 | Visitors' tab. in box of 12 | 4/10 |

### SPRINKO

|      |                         |      |
|------|-------------------------|------|
| 7650 | For greasy, grimy hands | 7/10 |
|------|-------------------------|------|

### SAVON TRES CHIC

*Per doz.  
Subject*

|      |                           |     |
|------|---------------------------|-----|
| 6055 | Standard tab. in box of 3 | 9/- |
| 6066 | Guests' tab. in box of 12 | 2/3 |

### SHAVING SOAPS

|       |                                      |    |      |
|-------|--------------------------------------|----|------|
| 6614  | Stick in bakelite drainer case       | .. | 6/9  |
| 6615  | Refill for 6614                      | .. | 5/8  |
| 6616  | Stick in drainer case in display box | .. | 6/9  |
| 6624  | "Original" Royal Stick               | .. | 9/-  |
| 6627  | Refill for 6624                      | .. | 7/6  |
| †6637 | Antiseptic Stick                     | .. | 4/7  |
| 6644  | Cream                                | .. | 9/-  |
| 6654  | Cream, double size                   | .. | 13/6 |
| †6684 | "Economy" Shaving Cake               | .. | 2/3  |

### †DENTIFRICES

|      |             |    |     |
|------|-------------|----|-----|
| 7014 | Tooth Paste | .. | 4/6 |
| 7024 | Tooth Paste | .. | 9/- |
| 7031 | Compressed  | .. | 4/6 |

### †GIFT BOXES FOR MEN

|       |   |    |      |
|-------|---|----|------|
| 6619  | Stick in drainer case with two Refills              | .. | 18/- |
| 9321  | Service Pack Soap, 2 Shaving Sticks and Tooth Paste | .. | 27/- |
| 9321a | do. with 5 Safety Razor Blades                      | .. | 31/6 |
| 9360  | Vinolia Soap and Stick in drainer case              | .. | 11/3 |

**TERMS** Orders for £2 net and over, less 2½% for cash in 28 days, in free cases, carriage paid with allowance for boxes on return. Orders for £3 net—5% off list rates. Orders for £4 net—10% off list rates.

† Special rates for quantities on application.

VINOLIA CO., LTD., BEBINGTON, CHESHIRE



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## NEWS OF THE WEEK

**N.P.U. War Distress Fund.**—The proprietors of THE CHEMIST AND DRUGGIST have contributed £25 to the War Distress Fund organised by the National Pharmaceutical Union.

**Trading with the Enemy.**—The Board of Trade announces that French Somaliland is enemy territory for the purpose of the Trading with the Enemy Act.

**Mistake is No Defence.**—The Price Regulation Committee for the Eastern Region announces that many traders accused of overcharging recently think it sufficient excuse to claim that, though they have made an overcharge, this was due to a mistake. The Committee points out that a mistake, even if genuine, is not a valid defence under the Sale of Goods Act.

**Control of Exports.**—The Board of Trade has issued the Export of Goods (Control) (No. 33) Order (S.R. & O., 1940, No. 1618). This sets the Second Schedule of the original Order by inserting "paper of all kinds, other than the following exceptions." The list of exceptions includes the following: Paper in sheets of a superficial area not exceeding 18 square inches (except waste paper); paper in rolls or on bobbins where either the width of the paper or the diameter of the roll does not exceed 9 inches (except cigarette paper); printed paper (not being waste paper); crêpe paper; gummed paper; photographic printing paper (whether sensitised or not); gummed board; articles made from board. Copies of the Order may be obtained from His Majesty's Stationery Office. Price 1d.

**Business Letters to Enemy Countries.**—The Board of Trade states that failure to obtain prior approval of the Trading with the Enemy Act is causing delay in the transmission of business letters and cables to France and other places abroad. Such approval is essential for all communications dealing with commercial or financial matters, including the administration of property, can be forwarded, if they involve enemy territory or territory in which an enemy has an interest. Such territory includes unoccupied as well as occupied France. Communications of this kind, unless they relate to copyright, patents, designs or trade marks, should be sent to the Trading with the Enemy Branch, Imperial House, Kingsway, London, W.C.2, accompanied by an undated stamped and addressed envelope and, if in a foreign language, by an English translation. Correspondence relating to copyrights, patents, designs, and trade marks must be similarly referred to the Trading with the Enemy Branch, Imperial House, Kingsway, London, W.C.2.

**Purchase Tax.**—The Treasury has given notice that, pursuant to the provisions of Section 19 (2) of the Finance (No. 2) Act, 1940, it is proposed to lay before the House of Commons a draft list more particularly defining "essential drugs of an exceptionally costly character" (Second Schedule, Class 19) which shall be exempted from Purchase Tax.

### PROPOSED LIST OF ESSENTIAL DRUGS

|   |  |
|---|--|
| Phenamine and its derivatives   | Liver extract and active principles of liver |
| Methol  | Oxygen                                       |
| Chloroform (anæsthetic)   | Pituitary extract                            |
| Quinine and salts of cocaine  | Procaine and salts of procaine               |
| Hydrocortisone acetate  | Sulphanilamide and its derivatives           |
| Mercuric (anæsthetic)   | Suprarenal cortex extract                    |
| Sodium chloride   | Serums                                       |
| Barbitone   | Vaccines                                     |
| Insulin   |  |
| Antibiotics, natural or synthetic and preparations thereof, including liver extracts and active principles of liver, and insulin and its compounds with potassium and zinc. |  |

Representations which interested parties may desire to make in connection with this proposed list should be addressed in writing direct to the Commissioners of Customs and Excise, Custom House, Lower Thames Street, London, E.C.3, not later than October 1, 1940.

**Conserving Packing Materials.**—The Ministry of Food appeals to all food traders to save boxes and packing cases. Assistants should be advised to open them carefully, keep them in good condition, and return them when asked, as wood and fibre containers of all kinds become more and more valuable as the war goes on.

**Birmingham Annual Meetings.**—The annual meetings of the Birmingham Pharmaceutical Association and Branches will be held at the Chamber of Commerce Buildings, Birmingham, on Monday, September 23, as follows:—At 3 p.m., National Pharmaceutical Union Branch; at 3.30 p.m., Pharmaceutical Society Branch; at 4 p.m., Pharmaceutical Association.

**Lighting Offences.**—Mr. Henry Carter, M.P.S., 124 Accrington Road, Blackburn, was fined 40s. at Blackburn Borough Court on September 5 for a breach of the emergency lighting regulations.—Robert Turnbull, M.P.S., Holland Street, Blackburn, was fined 20s. on September 11, for a breach of the emergency lighting regulations; he stated he had spent nearly £7 on black-out material, and invited the magistrates to view the lighting about which the police complained.

**Bournemouth Mutual Assistance Scheme.**—At a meeting of the Bournemouth Branch of the National Pharmaceutical Union on August 28 it was decided to inaugurate a scheme for the assistance of any members whose stock became damaged by enemy action. Members are invited to sign and return a credit note, to be acknowledged and retained by an emergency committee which, upon hearing of damage, assesses the loss and releases sufficient credit to allow recommencement of trading. Participation in the scheme is conditional upon membership of the N.P.U., and of its local branch, and on participation in its scheme of insurance against war risks. All expenses in connexion with the scheme are being borne by the Branch.

## IRELAND

**Munster Show.**—Messrs. G. I. Riordan, M.P.S.I., 58 Catherine Street, Limerick, and M. Power, M.P.S.I., 56 William Street, Limerick, were among the exhibitors at the Munster Show, Limerick, recently.

**Economy Urged.**—The Eire Local Government Department has urged on the governing bodies of hospitals in the country the necessity of economising in medicines that may become irreplaceable yet may be urgently needed in time of national emergency; also to ensure that the greatest care is taken of existing equipment, both medical and mechanical, since replacement may not be possible.

## SCOTLAND

**Appointed Director.**—Mr. John Bruce, Ph.C., 24 Crossgate, Cupar, has been appointed a director of the Cupar Gas Co.

**Limestone Resources Survey.**—The staff of the Macaulay Institute for Soil Research, Aberdeen, is analysing samples taken for the purposes of a survey of the limestone resources of Scotland.

**Surgical Units.**—A team of twenty-seven mobile surgical units, each completely self-contained and able to carry out over a hundred operations, is being equipped for use in Scotland.

**Orders as Usual.**—Mr. D. Wylie, 262 Kirkton Avenue, Glasgow, W.3 (Scottish representative for Robert Gibson & Sons, Ltd., Manchester), has been absorbed as an engineer into work of national importance under the Emergency Powers Act, but is open to receive and execute orders for his firm as usual.

**Chemists' Permits to Sell Tea.**—Glasgow Food Control Committee, on September 5, received a deputation from the Scottish Pharmaceutical Federation in connexion with the issue of licences to sell tea to chemists. The Committee agreed to grant the necessary permits, while restricting them to a type of tea based on specifications to be prepared by the Food Executive Officer.



## PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on September 10 at 67 Lower Mount Street, Dublin, the president (Sir Thomas Robinson) in the chair. Other members present were: Messrs. F. J. Fitzpatrick, T. C. Scott, J. Duggan, J. Gleeson, P. A. Brady, J. A. O'Rourke, J. K. Whelehan, M. J. Kieran, J. V. McKeever, M. J. Parkes, P. J. Fielding, P. Brooke-Kelly, B. P. Hickey, and Miss F. M. Flood.

Motions of sympathy were passed with Miss Sarah Enright, Mill Street, co. Cork, on the death of her father, Mr. D. Enright, M.P.S.I., and with the relatives of the late Mr. J. J. Broderick, M.P.S.I., Fermoy.

The Council received a deputation from the Crawford Municipal Technical Institute, Cork, led by Councillor W. Furlong, the other members being Mr. J. F. King (principal of the school) and Mr. J. F. Crowley, M.P.S.I. The deputation put forward a case for the recognition of the Cork school as a centre at which pharmacy students could take their lectures in pharmacy. The school is a recognised centre for lectures in chemistry, botany, and materia medica. After hearing the views of each member of the deputation, which was supported by Mr. P. J. Fielding, THE PRESIDENT said they would receive the careful consideration of the Council, and its decision would be communicated at an early date. Later the Council considered the matter at length in committee, and the Registrar was instructed to prepare a reply in accordance with the Council's decision.

The following letter, dated July 29, was read from the Secretary, Department of Defence: "I am directed by the Minister for Defence to refer to your letter of the 13th ult. and to state that arrangements have now been made to post registered students of the Pharmaceutical Society who join the Defence Forces for the duration of the emergency to the 22nd Rifle Battalion, in which the Regiment of Pearse has been incorporated. Any student wishing to join should enrol at his local Garda Station and should endorse the enrolment form 'R.O.P.' and intimate that he is a registered student of the Pharmaceutical Society." The letter was noted.

The Seanad Returning Officer wrote asking to have names of candidates sent forward in accordance with the provisions of the Seanad Electoral Act. The Council unanimously decided, on the motion of Mr. FITZPATRICK, seconded by MISS FLOOD, to send forward the names of the president, the vice-president (Mr. P. C. Cahill), and Mr. B. P. Hickey.

Mr. J. Duggan and Mr. J. V. McKeever were appointed scrutineers of the ballot in the forthcoming Council election.

The following changes of address were notified: Mr. J. C. Dowling, M.P.S.I., from 27 Terenure Road, Rathgar, Dublin, to 251 Crumlin Road, Dublin; Mr. M. Murphy, M.P.S.I., from Kilbride Villa, Ballycastle, co. Mayo, to 36a Talbot Street, Dublin; Mr. S. Murphy, L.P.S.I., from The Hill, Monaghan, to 68 New Street, Dublin.

The following who submitted matriculation certificates were granted Preliminary registration: Misses H. M. M. Clery, R. Cosgrove, C. Duffy, P. Flynn, B. K. Moore, C. Murtagh, Mary Leonard, M. Healion, M. J. Kilcommons, M. Lenahan, M. McGuinn, J. M. O'Mahony, V. T. O'Shea, and T. M. Winckworth; Messrs. J. M. Durkin, R. Elliott, J. Maher, J. J. Gannon, N. Mockler, P. A. J. Moran and O'Connor.

The reports of the House, Law, Certificates and Declarations committees were submitted and approved. The reports of the Examiners of the recent Licence, Assistant, and Registered Druggist examinations were submitted. These reports showed that fifty-one candidates entered for the Licence examination, of which number fifteen passed. Two hundred and fifteen candidates presented themselves for the Assistant examination and fifteen passed. One candidate entered for the R.D. examination and was unsuccessful.

THE REGISTRAR (Mr. J. J. Kerr) reported on the deaths of Messrs. J. Broderick, M.P.S.I., D. Enright, M.P.S.I., James Barry, Ph.C., Miss M. M. Neary, Ph.D.

The following were elected members of the Society: Misses A. Lyly and K. Lyster. Messrs. K. J. Campbell, S. Cooper, G. I. Riordan and P. J. Ryder. The following were nominated for membership: J. Hogan, 2 Greenpark Villas, South Circular Road, Limerick; D. Murphy, MacMurrough, New Ross, co. Wexford; M. Murphy, 6a Talbot Street, Dublin; Mrs. K. O'Connell, Lackandarra, Bernalte Place, Western Road, Cork; J. Perry 97 Lindsay Road, Glasnagh, Miss M. E. B. Ryan, Geary's Hotel, Limerick; S. Murphy, 68 New Street, Dublin.

The Licence certificates of the following were signed and sealed: Robert N. Butler, Ellen M. Coghlan, William K. Dunphy, M. Ha Evans, Kate O'Connell (née Humphries), Mary E. Jennings, P. B. Joy, Thomas J. Kennedy, Gerald O'Brien, Ellen O'Hanlon, S. O'Murchadha, Thomas Plunkett, Michael Rooney, Mary E. B. and William E. Williamson.

At the conclusion of the business on the agenda THE PRESIDENT said that as this was the last meeting of the Council over which he presided he wished to say how very grateful he was for the kind consideration extended to him by every member of the Council during his time in the chair. He could not show the intimate knowledge of the work of the Society of some of his predecessors, but members of the Council were all so helpful that it made the duties of his office easy. He thanked them very much for that valued assistance and co-operation.

MR. FITZPATRICK: You have been an ideal president, Sir Thomas.

At the conclusion of the Council meeting a meeting of the Benevolent Fund Committee was held and two grants passed for payment.

## TOPICAL REFLECTIONS

**Winter Session.**—While the decision of the Birkenhead and Wirral Pharmacists Association to cancel arrangements for the coming winter session was no doubt reached after consideration of all the factors involved, it is to be hoped that pharmaceutical associations will not altogether abstain from meetings for the duration of the war. There are many matters which need to be discussed, and while black-out conditions and air-raid warnings may preclude a central meeting in a large area, there seems no reason why sub-branches should not be organised. This was done, I believe, even in peace-time by the North London Pharmaceutical Association. Such sub-branches might well hold meetings on an early-closing day, and could, after discussing any particular problem, depute one of their number to meet deputies from other sub-branches. Moreover, though it is sometimes suggested that pharmacy is over-organised, it would be a pity if what had been built up during the past twenty years were allowed to fall into desuetude. You recently called attention to the fact that chemists are no longer too individualistic to co-operate with one another, but prolonged absence of facilities for meetings might well tend to "set the clock back."

**Pharmacists in the Forces.**—There is, I think, much in favour of your suggestion that pharmacy should no longer be a wholly reserved occupation, and to bring within the scope of military service qualified men up to the age of twenty-five or twenty-six should prove no hardship on those affected, nor on the practice of pharmacy. Few pharmacists in these days have commenced business on their own account at that age, and exception could always be made where there are conditions of special hardship. Difficulties arise from the fact that it is a waste of man-power if a pharmacist joins the Forces except for specialist duties. Yet it is doubtful if at present the R.A.M.C. can absorb as sergeant-dispensers all who would be liable for service. There should be plenty

of scope in other duties undertaken by the Corps, but the question at once arises regarding the pharmacist's training. The Pharmaceutical Society has long agitated without success for commissioned ranks for its members, but so far as I can remember has never claimed that pharmacists are specially trained to do other than dispensing. The present time is one in which every effort should be made to enable pharmacists to serve the community, as the greater the extent to which they are able to use their capabilities, the greater will be their recognition in the years to come. Such a possibility renders it more regrettable that fuller use has not been made of pharmacists in the first-aid sections of the A.R.P. organisation of the country.

**Fine Chemicals.**—The notice relating to tartaric acid and creatar (C. & D., September 14, p. 135) carried my mind back to inquiries under the Safeguarding of Industries Act that took place after the last war. The problem as to what is a "fine" chemical never settled in a satisfactory manner, but the discussions thereon and the information on manufacturing processes which came to light in the course of the inquiries were of great interest to all sections of the trade. THE CHEMIST AND DRUGGIST was quoted as the authoritative connexion with a number of knotty problems, and if I remember correctly you reprinted in booklet form the discussions and decisions of inquiry into the drug trade. The expansion of the "fine" chemical industry in this country commenced in 1921 and from then until the outbreak of this war there was a record of steady progress. During the past months British manufacturers have gone ahead by leaps and bounds in spite of war-time difficulties. A particularly pleasing aspect of development has been the degree of co-ordination reached, which led to chaos after the last war. The manufacture of aspirin is a noteworthy example.



## C. &amp; D. DISPENSING PRICE LIST

The index figure of drugs and chemicals for August was 120.0 (100 in 18 being the unit). The figure shows a fall of 0.1 against the July figure. The primary cause of this was the fall in the prices of ergot preparations. The following prices are for dispensing only:—

| Cost   | per | Drugs and Chemicals                          | Dispensing Price |                |                |                |
|--------|-----|--|------------------|----------------|----------------|----------------|
|        |     |  | 16 oz.<br>s. d.  | 4 oz.<br>s. d. | 1 oz.<br>s. d. | 1 dr.<br>s. d. |
| gr.    |     | Acid. trichloroaceticum ..                   | per              | gr.            | 0 6            | —              |
| oz.    |     | Aqua pimentæ conc. 1-40 ..                   | —                | —              | 4 0            | 0 7            |
| oz.    |     | Argenti nit. mitigat. (sticks)               | each             | 0 11           | —              | —              |
| oz.    |     | Balsamum toltanum ..                         | —                | —              | 2 6            | 0 5            |
| oz.    |     | Benzocaina .. P.I. (8)                       | —                | —              | 6 4            | 1 0            |
| oz.    |     | Camphora monobromata ..                      | —                | —              | 4 7            | 0 8            |
| oz.    |     | Carbromalum ..                               | —                | —              | 10 0           | 1 6            |
| lb.    |     | Caseinum (solub.) ..                         | 3 9              | 1 0            | 0 4            | 0 1            |
| lb.    |     | Emuls. ol. olivæ B.P.C. ..                   | 4 9              | 1 4            | —              | —              |
| lb.    |     | Emuls. petr. c. hypoph. B.P.C.               | 2 9              | 0 10           | —              | —              |
| dr.    |     | Ephedrina alk. P.I. (8)                      | per              | gr.            | 0 4            | 6 4            |
| dr.    |     | Ephedrinæ hydrochlor. P.I. (8)               | per              | gr.            | 0 4            | 4 10           |
| dr.    |     | Ephedrinæ sulphas P.I. (8)                   | per              | gr.            | 0 4            | 4 10           |
| oz.    |     | Ergota preparata S.I. (5)                    | —                | —              | 4 10           | 0 8            |
| dr.    |     | Ethyl morph. hydrochl. S.I. D.D.             | per              | gr.            | 0 4            | —              |
| oz.    |     | Ext. anthemidis pulvis B.P.C.                | —                | —              | 4 0            | 0 7            |
| 1 oz.  |     | Ext. ergotæ .. S.I. (5)                      | —                | —              | 3 9            | —              |
| 3 lb.  |     | Ext. ergotæ liq. S.I. (5)                    | —                | 12 8           | 3 7            | 0 7            |
| 3 lb.  |     | Ext. ergotæ liq. '14 S.I. (5)                | —                | 12 8           | 3 7            | 0 7            |
| lb.    |     | Ext. gentianæ ..                             | —                | 2 9            | 0 9            | 0 2            |
| lb.    |     | Ext. gentianæ pulvis ..                      | —                | 3 0            | 0 10           | 0 2            |
| lb.    |     | Ext. glycyrrhizæ ..                          | —                | 2 4            | 0 8            | 0 1            |
| lb.    |     | Ext. glycyrrhizæ liquidum ..                 | —                | 1 6            | 0 5            | 0 1            |
| 1 lb.  |     | Ext. hepatic. liq. ..                        | —                | 5 0            | —              | —              |
| oz.    |     | Ext. ipecacuanhæ liquidum ..                 | —                | —              | 8 9            | 1 3            |
| oz.    |     | Ferrum reductum ..                           | —                | —              | 1 2            | 0 2            |
| lb.    |     | Gentianæ rad. incis. ..                      | —                | 1 2            | 0 4            | —              |
| lb.    |     | Gentianæ rad. pulvis ..                      | —                | 1 2            | 0 4            | —              |
| lb.    |     | Glycerin. bismuth. carb. ..                  | —                | 4 6            | 1 3            | —              |
| lb.    |     | Granati radicis cortex ..                    | —                | 1 6            | 0 6            | —              |
| oz.    |     | Hyd. cum creta ..                            | —                | —              | 2 0            | 0 4            |
| 1 lb.  |     | Inf. anthemidis conc. ..                     | —                | 2 5            | 0 9            | 0 2            |
| 1 lb.  |     | Limonis cortex sicc. Ang. ..                 | —                | 3 9            | 1 0            | 0 2            |
| lb.    |     | Linctus diamorphinæ D.D.                     | —                | 1 7            | 0 7            | —              |
| lb.    |     | Linctus diamorph. camph. B.P.C. S.I. (5)     | —                | 1 9            | 0 6            | —              |
| 1 lb.  |     | Linctus diamorph. c. ipecac. B.P.C. S.I. (5) | —                | 2 2            | 0 8            | —              |
| 2 lb.  |     | Linctus diamorph. et scillæ B.P.C. S.I. (5)  | —                | 1 8            | 0 7            | —              |
| 7 lb.  |     | Linctus diamorph. et thymi B.P.C. S.I. (5)   | —                | 2 10           | 0 10           | —              |
| 9 lb.  |     | Lin. crotonis meth. P.I. (12)                | —                | 3 3            | 0 11           | 0 2            |
| 7 lb.  |     | Lin. opii ammon. meth. S.I. (6)              | —                | 2 8            | 0 9            | —              |
| 10 lb. |     | Manna elect. nov. ..                         | —                | 3 10           | 1 0            | 0 2            |
| 9 dr.  |     | Morphina pur. .. D.D.                        | per              | gr.            | 0 5            | 13 8           |
| 7 dr.  |     | Morphinæ acetat. .. D.D.                     | per              | gr.            | 0 5            | 11 4           |
| 7 dr.  |     | Morphinæ hydrochloridum D.D.                 | per              | gr.            | 0 5            | 11 4           |
| 7 dr.  |     | Morphinæ sulphas .. D.D.                     | per              | gr.            | 0 5            | 13 8           |
| 9 dr.  |     | Morphinæ tartaras .. D.D.                    | per              | gr.            | 0 5            | 1 6            |
| 7 oz.  |     | Ol. bergamottæ ..                            | —                | —              | —              | 0 4            |
| 1 oz.  |     | Ol. crotonis .. P.I. (8)                     | —                | —              | —              | 0 8            |
| 3 oz.  |     | Ol. juniperi bacc. exot. ..                  | —                | —              | —              | 3 6            |
| 2 oz.  |     | Ol. sabinæ .. S.I. (4)                       | —                | —              | —              | 1 2            |
| 5 oz.  |     | Opium pulveratum .. D.D.                     | —                | —              | —              | 0 7            |
| 5 lb.  |     | Potassii tartaras ..                         | —                | 1 10           | 0 7            | 0 1            |
| 4 oz.  |     | Protargol gran. ..                           | —                | —              | 5 10           | 0 10           |
| 1 oz.  |     | Pulv. ipecacuanhæ et opii S.I. (5)           | —                | —              | 2 3            | 0 4            |
| 4 lb.  |     | Pulv. jalapæ co. ..                          | —                | —              | 0 6            | 0 1            |
| 10 oz. |     | Pulv. kino co. S.I. (5)                      | —                | —              | 1 6            | 0 3            |
| 9 oz.  |     | Quinina ..                                   | 0 4              | —              | —              | 1 10           |
| 11 oz. |     | Quinin. acetylsalicylas ..                   | 0 4              | —              | —              | 2 4            |
| 8 oz.  |     | Quinin. ethylcarbonas ..                     | 0 4              | —              | —              | 1 10           |
| 9 oz.  |     | Quinin. glycerophosphas ..                   | 0 4              | —              | —              | 2 0            |
| 11 oz. |     | Quinin. hydriodidum acidum                   | 0 5              | —              | —              | 2 5            |

| Cost    |     | Drugs and Chemicals             | Dispensing Price |                |                |                |
|---------|-----|---------------------------------|------------------|----------------|----------------|----------------|
| d.      | per |                                 | 16 oz.<br>s. d.  | 4 oz.<br>s. d. | 1 oz.<br>s. d. | 1 dr.<br>s. d. |
| 73 oz.  |     | Quinin. hydrobromidum ..        | 0 3              | —              | —              | 1 6            |
| 79 oz.  |     | Quinin. hydrobromid. acidum     | 0 4              | —              | —              | 1 8            |
| 78 oz.  |     | Quinin. hydrochlor. (bi-) ..    | 0 4              | —              | —              | 1 8            |
| 114 oz. |     | Quinin. hypophosphis ..         | 0 5              | —              | —              | 2 5            |
| 91 oz.  |     | Quinin. phosphas ..             | 0 4              | —              | —              | 1 10           |
| 85 oz.  |     | Quinin. salicylas ..            | 0 4              | —              | —              | 1 9            |
| 66 oz.  |     | Quinin. sulphas ..              | 0 3              | —              | —              | 1 5            |
| 55 oz.  |     | Quinin. sulphas acidus ..       | 0 3              | —              | —              | 1 2            |
| 76 oz.  |     | Quinin. c. urethano ..          | —                | —              | —              | 1 8            |
| 110 oz. |     | Quinin. valerianas ..           | 0 5              | —              | —              | 2 4            |
| 27 lb.  |     | Sodii phosph. acidus ..         | —                | 1 0            | 0 4            | —              |
| 32 lb.  |     | Sodii et potass. tart. pulv. .. | —                | 1 2            | 0 4            | —              |
| 36 lb.  |     | Staphisagria sem. S.I. (4)      | —                | 1 4            | 0 5            | —              |
| 9 oz.   |     | Strontii bromidum cryst. ..     | —                | —              | 1 4            | 0 3            |
| 16 lb.  |     | Succus limonis ..               | —                | 0 7            | 0 2            | —              |
| 24 oz.  |     | Sulphanilamidum S.I.R. only     | —                | —              | 3 6            | 0 6            |
| 48 lb.  |     | Syr. codeinæ phosph. P.I. (9)   | —                | 2 2            | 0 8            | —              |
| 23 lb.  |     | Syr. ferri iodidi ..            | —                | 1 2            | 0 4            | —              |
| 25 oz.  |     | Theobrominæ-sod. sal. ..        | —                | —              | 3 8            | 0 6            |
| 54 lb.  |     | Tr. arnicae florum ..           | —                | 2 0            | 0 7            | 0 1            |
| 192 lb. |     | Tr. ergotæ ammoniata S.I. (5)   | —                | 6 9            | 2 0            | 0 4            |
| 50 lb.  |     | Tr. gentianæ co. ..             | —                | 2 0            | 0 7            | 0 1            |
| 108 lb. |     | Tr. opii .. D.D.                | —                | 4 0            | 1 1            | 0 2            |
| 96 lb.  |     | Tr. opii B.P. '98 .. D.D.       | —                | 3 5            | 1 0            | 0 2            |
| 90 lb.  |     | Tr. opii ammoniata P.I. (9)     | —                | 3 2            | 0 11           | 0 2            |
| 72 lb.  |     | Tr. opii aq. (1% morph.) D.D.   | —                | 2 7            | 0 9            | 0 1            |
| 138 lb. |     | Ung. hydrargyri ..              | 17 0             | 4 10           | 1 4            | —              |
| 36 lb.  |     | Ung. hyd. ammoniati P.I. (9)    | 4 6              | 1 4            | 0 5            | —              |
| 39 lb.  |     | Vin. antimoniale P.I. (9)       | —                | 1 4            | 0 5            | —              |
| 48 lb.  |     | Vin. colchici .. P.I. (9)       | —                | 1 9            | 0 6            | 0 1            |
| 54 lb.  |     | Vin. colchici sem. P.I. (9)     | —                | 2 0            | 0 7            | 0 1            |
| 42 lb.  |     | Vin. ferri ..                   | 5 3              | 1 6            | 0 6            | —              |
| 26 lb.  |     | Vin. ferri citratis ..          | 3 3              | 1 0            | 0 4            | —              |
| 78 lb.  |     | Vin. ipecacuanhæ '14 ..         | —                | 2 8            | 0 9            | —              |
| 120 lb. |     | Vin. opii .. D.D.               | —                | 4 3            | 1 2            | 0 2            |

## COMPANY NEWS

## P.C. means Private Company and R.O. Registered Office

YOUNG & SNOWDON, LTD. (P.C.).—Capital £600. Objects: To carry on business as manufacturers of and dealers in bandages, surgical dressings, etc. Victor G. Young, 10 Roehampton Vale, London, S.W.15, and Harry Snowdon, 38 Barons Keep, London, W.14, directors.

LEA FERTILISERS, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers, importers of and dealers in fertilisers and chemicals, etc. James F. Jones, Nazeing, Essex, and Harold C. Higgins, Southgate, Middlesex, directors.

M. A. STAKMAN-MORRIS, LTD. (P.C.).—Capital £100. Objects: To carry on business as manufacturers of and dealers in medical and surgical goods and appliances, etc. George Hull and Theresa E. Hull, 23 Park Drive, Winchmore Hill, London, N.21, directors. R.O.: 162 Stoke Newington Road, London, N.16.

GORDON CHEMICAL CO., LTD (P.C.).—Capital £500. Objects: To carry on business as oil blenders, manufacturers of and dealers in chemicals, etc. Raymond G. Kennedy, Braemar, Kirkby Avenue, Sale, Cheshire, and Harold E. Lockyer, 28 Chretien Road, Northenden, Manchester, directors. R.O.: 183 Oxford Road, Manchester, 13.

J. J. DOWNWARD, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of J. J. Downward, chemist, carried on by Amy Holmes-Higgin at 5 Market Street, Ulverston, Lancs. Amy, Dorothy E. K., and Gwendoline C. Holmes-Higgin, and Thos. S. Milligan, M.P.S., Ulverston, Lancs, directors. R.O.: 5 Market Street, Ulverston, Lancs.

J. PLEVIN, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a retail chemist carried on by the executor of John Plevin, deceased, at 23 Church Road, Wavertree, Liverpool, as "J. Plevin." Mrs. Helena Plevin, Miss Florence E. Plevin, and Miss Kathleen E. Bowdler, M.P.S., directors. R.O.: Investment Buildings, 67 Lord Street, Liverpool.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—The directors are maintaining the interim dividend for the current year at 3 per cent.



## MEDICAL ABSTRACTS

**Zinc Peroxide in Malignant Lesions.**—The control of exudates and foul odours arising from necrosing carcinomatous ulcers by the application of zinc peroxide is described in an article by Freeman in the "Journal of the American Medical Association," July 20, p. 181. The combination of the necrotic cancerous tissue and the infected tissue is responsible for the odour and discharge, and treatment, it is stated, should be aimed at eradicating the neoplastic growth and at disinfection and deodorisation of the lesion. It had been observed that the odour from such lesions disappeared on the application of zinc peroxide but reappeared if the dressing were omitted for a few days. If the dressing were applied for two weeks, from three to seven days were necessary for the reappearance of the characteristic odour and the positive anaerobic cultures. The method of applying zinc peroxide has been as follows: The wound is cleaned with hydrogen peroxide and saline sprays, free necrotic tissue is gently removed, and the wound again sprayed. Zinc peroxide, previously sterilised by baking at 140 °C. for four hours, is mixed with an equivalent amount of sterile distilled water. Fine-mesh gauze is soaked in the suspension and inserted throughout the lesion into all the sinuses of the wound. The whole is covered with sterile pads soaked in distilled water, and the wound is packed against evaporation with layers of paraffin or zinc oxide gauze and the dressing secured by a larger pad and bandages. At no time has it been necessary to dress a wound twice in one day. If the patient is to receive irradiation, the wound is cleaned with hydrogen peroxide and saline solution, and sterile saline packs are applied before treatment. After irradiation, the wound is irrigated and zinc peroxide is applied. In the treatment of lesions of the cheek, tongue, gums, palate, etc., and bone necroses, the zinc peroxide is applied as a thick paste every three hours, and a one to three suspension is used as a mouth wash. In lip and mouth cancers, while the patient received pre-operative dental prophylaxis, zinc peroxide has been used as a mouth wash. Summing up his work with zinc peroxide, the author states that cultures taken have shown scanty or no growth after the lesion has been treated with the substance for a period of two weeks. This is in accordance with the findings of other workers who believe zinc peroxide to be almost specific against the three predominant organisms noted in this study. Twenty-four hours after the first application of zinc peroxide there was a definite loss of odour in all but one case. Bacteriological condition showed but little change, and the loss of odour is attributed to exudation and/or absorption of the bacterial metabolites. Drainage has been markedly lessened. Patients previously requiring from three to seven dressings daily needed but one application of zinc peroxide. Although he has no definite data, the author believes that the post-irradiation ulcers healed more rapidly under zinc peroxide than previously noted, and he points out that the prophylactic use of zinc peroxide has been undertaken to prevent or diminish the frequency or degree of radiation bone-necrosis in lesions of the mucous membrane.

**A Combined Treatment for Burns.**—The combined use of tannic acid and silver-nitrate solutions, chemotherapy and diet in the treatment of severe war burns is described by Cohen in an article in the "British Medical Journal" (August 24, p. 251). The writer gives an account of methods used in dealing with numerous cases among members of the British Expeditionary Force following the evacuation of Dunkirk. In the author's experience sleep and rest were found to be as important as operation and, as a routine, morphine (usually gr.  $\frac{1}{2}$ ) was given immediately after admission to hospital. In many cases of face burns intravenous anaesthetics were given. Cleaning of the affected area was effected usually with ether soap and water, on account of the greasy condition of the patients; the debris, old skin and overlying blisters were then removed. With many, the slow method of coagulation cannot, he states, be applied, as continual spraying of the solution disturbs the patient when he most needs rest. An immediate tan is undoubtedly an advantage, and the following method was used throughout, proving most satisfactory. After cleaning with ether soap, the surface was washed with saline and the surrounding area sprayed and rapidly dried. The solutions (tannic acid, 5 per cent. in water, and silver nitrate, 10 per cent.) were kept separate and dabbed on to the cleaned areas by separate gauze swabs. Black tan, which immediately forms, rapidly dries. The resulting crust is not the thick crust of stronger tannic-acid solutions and it therefore moulds itself more readily to changing contours around the joints. The average healing time by the silver-nitrate and tannic-acid method was found to be three-and-a-half weeks, and the appearance of the scars was particularly gratifying. Brilliant green was found particularly effective in controlling infection (streptococci being a common invader) and the edges of the tan were painted daily with a 1 per cent. solution of it in 30 per cent. alcohol. By this means it was possible, in all cases except two, to keep the scars in these regions absolutely dry. For the eyes, the author suggests that small pieces of sterile wool, dipped in a 1 per cent. solution of sodium bicarbonate, should be used several times a day to remove excessive secretion; a few drops of sterile liquid paraffin can be inserted; they are kept unbandaged and, where there is any marked redness, washed

out. Chemotherapy was employed by Cohen as a routine, with standard dosage. An initial dose of three tablets of sulphanilamide was followed by two tablets every four hours for forty-eight hours, then one tablet four-hourly for another forty-eight hours. By this method, a total of 19.5 gm. was given, and inadvertent overdosage avoided; it is important that no dose of sulphanilamide should be omitted, even at night. With this dosage of sulphanilamide no complications were observed. The author states that diet in war burn cases is undoubtedly important, and, since much protein has been lost in the serum, a diet rich in protein is advisable. To ensure this, patients were encouraged to drink large quantities of milk. It was found that vitamins play an important part in the repair of tissues, and each patient was ordered a full ration of fruit, in addition to four fresh oranges and two lemons daily in the form of drinks, extra fresh tomato juice, and a full share of butter.

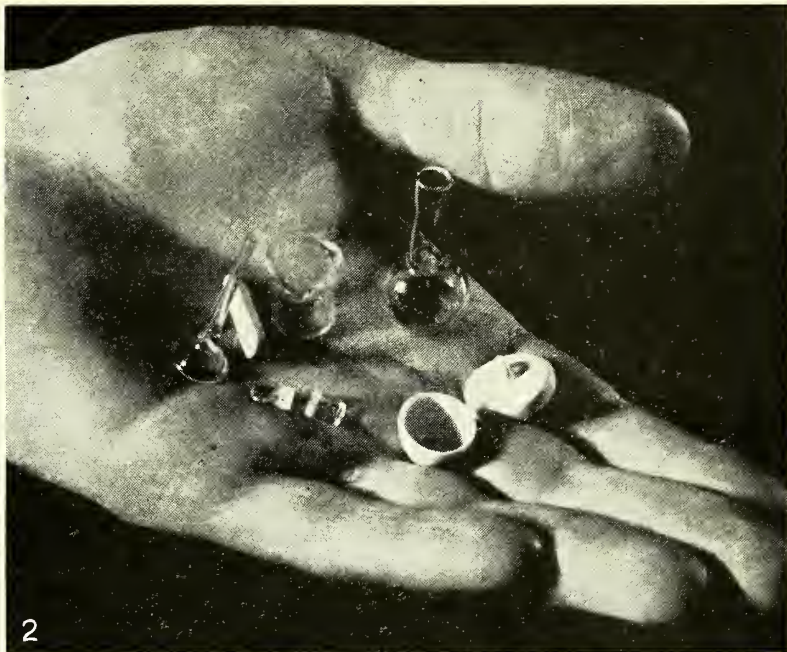
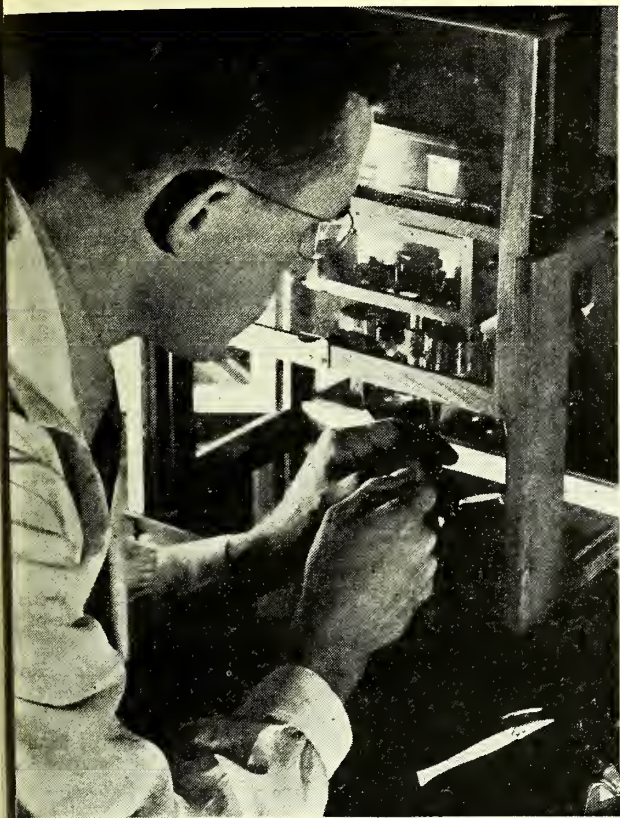
**Bismuth in Therapeutic Malaria.**—The use of bismuth injection in the control of therapeutic malaria is described by Schwartz in the "Journal of the American Medical Association," August 10, p. 42. Malaria is being used more and more in the treatment of resistant syphilis of the central nervous system, as well as of dementia paralytica, and this form of fever treatment has established its value in spite of the definite risk associated with it, even in selected cases. For this reason there is a growing need for some means of management of therapeutic malaria, as the treatment sometimes leads to one or more of the following alarming symptoms:—prolonged remittent fever; physical exhaustion; vascular collapse; persistent vomiting; an increasing anaemia rapidly rising icteric index and rapidly rising blood-urea nitrogen. Studies made with various selected heavy metals to find an agent that would temporarily stop the course of the malarial chills, and so make it possible to continue the chills to a satisfactory completion of the course, indicate that, while antimony compounds may in part satisfy this demand, certain bismuth salts, and more particularly thio-bismol, answer the requirements. Thio-bismol is rapidly assimilated and excreted. It has been shown that an injection of the drug is virtually absorbed and excreted within twenty-four hours. Thio-bismol is sodium bismuth thioglycollate,  $\text{Bi}(\text{SCH}_2\text{CO}_2\text{Na})_3$ , and contains approximately 38 per cent. of bismuth. The average 0.20 gm. intramuscular dose contains 75 mg. of metallic bismuth. Schwartz found with this preparation that in one to three-day rest period from the chills, the fever drops, exhaustive vascular collapse and persistent vomiting disappear, the blood-urea nitrogen and the icteric index fall, the blood pressure rises to normal levels, and with resumption of the chills the patient's increased strength allows him to go on to a completion of his course of chills. The action of the thio-bismol and of other bismuth salts seems to be a temporary effect on the malarial parasite. Its success may depend on the rapid attainment, following the bismuth injection, of a high transient bismuth level in the blood stream as measured in terms of bismuth excretion in the urine. Repeated injections of bismuth, especially thio-bismol, it was noted, stopped therapeutic malaria for long observation periods (as long as thirty-nine days). It is not to be assumed that thio-bismol is offered as a substitute for quinine in terminating malaria, but it is maintained that it is a reliable drug in the management of the therapeutic malaria and, by its use, many untoward therapeutic malaria results can be avoided. Moreover, where it is desired to terminate the course of therapeutic malaria without shock to the patient, it will be found that an intramuscular injection of thio-bismol plus quinine mouth will accomplish this. With the use as indicated of thio-bismol in 263 cases of therapeutic malaria in the wards, the death rate was 2.24 per cent. Moreover, with the help of the drug, it was possible to carry on the course of malaria until the patients had had an adequate number of hours of hyperpyrexia.

**MEMORANDUM ON SULPHANILAMIDE DERIVATIVES.**—The War Office issued a memorandum "Concerning the Use of Sulphonamide Derivatives" (H.M. Stationery Office, Price 2d.). The memorandum supersedes all previous memoranda on this subject, and extends to the treatment of the more common infections known to respond to these drugs.

**POISON GAS AND FOOD.**—As a part of the Government's plans to be ready in advance for all possible forms of enemy attack, the Ministry of Food has prepared a leaflet, for issue in urban areas only, on "Poison Gas and Food," explaining how to protect food against poison gas and what to do if food becomes contaminated. Application for copies, which are already available in evacuation areas and will shortly be available in other towns, should be made to the local town hall.

**VITAMIN DEFICIENCY IN ITALY.**—"From a neutral diplomatist just returned from Italy I learn that as a sequel to prevailing malnutrition the disease pellagra has again made an appearance there. This was formerly a scourge of the rice-growing areas and certain other North agricultural districts where the peasants lived on pollenta, a dish made from maize, and on little else. It was at one time believed to be produced by diseased maize, but was later traced to a lack of vitamins." "Diplomatic Correspondent" in the "Daily Telegraph."



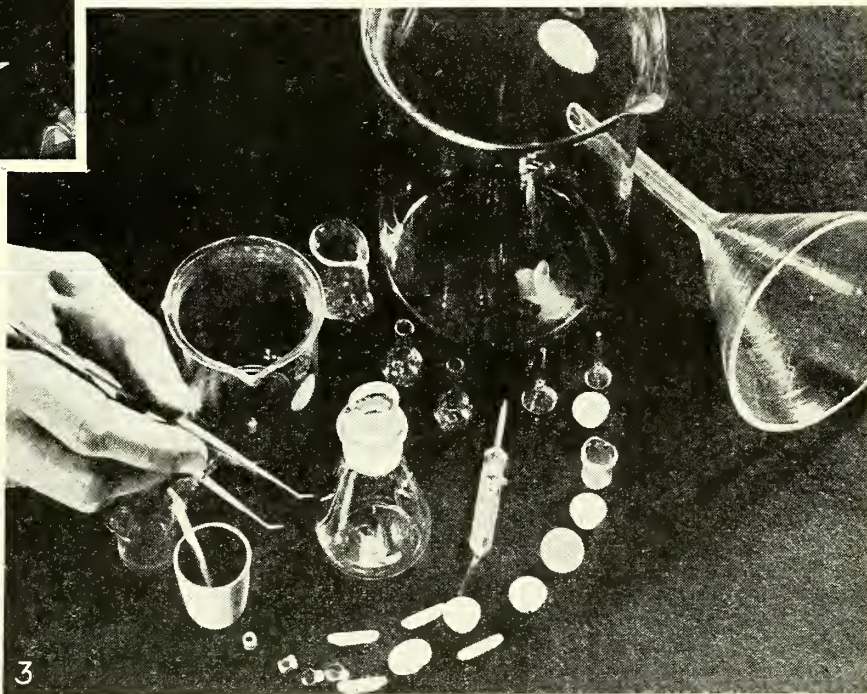


## MIDGET CHEMISTRY

A new technique for use in analytical laboratories has recently been introduced into the Pittsburgh industrial centre, U.S.A., by Dr. E. Bruce Ashcroft, of the Westinghouse Laboratories. It involves the use of what is described as a micro-chemical laboratory which is employed in solving problems with pinpoints of material in midget apparatus. The laboratory is designed in sharp contrast to the usual chemical workroom filled with large beakers, flasks and test tubes which have been used almost unchanged since their development many centuries ago.

In place of racks filled with 7-in. test tubes, tables cluttered with large retorts, little 1-in. test tubes and miniature retorts are packed away neatly in small cardboard boxes in the new micro-laboratory. Porcelain crucibles have been supplanted by 1-in. porcelain containers resembling diminutive toy boats, and instead of placing crucibles in a relatively large electric furnace for heating, the boats are slid into slender glass tubes and inserted in a small heating unit. The micro-balance used in connexion with this new technique is so sensitive that it can weigh a millionth of a gram, i.e. about one hundred thousand times lighter than an ordinary pin (a speck of gold weighing a millionth of a gram can hardly be seen with the unaided eye). So delicate is this balance that it is kept in an air-conditioned chamber in which the air is cleaned of all dust particles by an electrostatic air cleaner. One particle of dust falling on a weighing pan could throw the machine out of balance. The balance itself is enclosed in a small glassed-in cabinet equipped with doors at either end. When placing material on the balance pans, the operator has to put a hand through each of these doors at the same time because the heat from one hand would throw the instrument out of balance. Another instrument of considerable importance which is used in the micro-laboratory is the spectrophotometer, with which the chemist can analyse the colour of light emitted by a material when burned, detecting very small traces of impurities in the presence of large amounts of substances. Yet another valuable piece of apparatus is the binocular microscope, with which the operator, looking through two eye-pieces, sees in third dimension comparatively rough samples under examination.

The following example shows the application of the micro-laboratory. In the past, one of the most baffling problems for the industrial chemist



1. Micro-balance which weighs specks of matter as light as one-millionth of a gram. 2. Most parts of a micro-chemistry laboratory can be carried in the palm of the hand. Here are shown a one-inch beaker, funnel, porcelain crucibles and flask. 3. Midget apparatus dwarfed by normal-sized beakers and funnel.

was tracking down the causes of thin films that formed on metal surfaces which usually show themselves as tarnish. Not long ago a large steel mill was having trouble with a commutator on one of its big motors. The commutator formed a black film where it came in contact with the carbon brush through which it received its electric current. With microchemistry, Ashcroft was able to establish that the trouble was in the atmosphere of the mill and not in the motor. To a bit of the film he added a little water and calcium chloride to form a drop. Next he inverted the drop over bromine whose vapours mixed oxygen with the drop and changed it from a sulphide to a sulphate. Under a polarising microscope, crystals of calcium sulphate revealed themselves and told the chemist that a sulphur compound in the mill air was causing the film to form on the commutator. Taking a short cut to solution of chemical problems, the micro-chemist is able to make many of his analyses with only a microscope and a capillary, which is a small-bore glass tube.



## MARRIAGES

Notices for this column must be authenticated

CLARK—MCINTOSH.—At the Commercial Hotel, Keith, on August 28, Alexander Stuart Clark, M.P.S., Sunnybank, Fyvie, to Marjorie Duncan McIntosh, Keith.

EVANS—DIGBY.—At Liverpool, recently, Charles Elvet Evans, M.P.S., 60 Brooke Road, West, Waterloo, Liverpool, 22, to Doris H. Digby, M.P.S., Garthdale Road, Mossley Hill, Liverpool, 18.

JOHNSTON—CARMICHAEL.—At Grenville House, St. George's Road, Glasgow, on September 3, John Louis Johnston, M.P.S., 3 Muslin Street, Glasgow, to Annie Walker Carmichael, Glasgow.

ROBB—BELL.—At the Windsor Rooms, Clydebank, on August 31, William George Robb, M.P.S., 2 West Brae, Paisley, to Ann McArthur Bell, Clydebank.

## DEATHS

BROOK.—Recently, Mr. Thomas Turner Brook, chemist and druggist, 76 Windsor Terrace, Elizabeth Street, Elland, aged seventy-two.

COOPER.—At Great Bedwyn, Wilts, recently, Mr. Lionel Cooper (Coates & Cooper, Ltd., London, E.C.1), aged seventy. Mr. Cooper was chairman for many years of the St. Vincent Association, until retirement about ten years ago. He was previously with the Phillips' Magnesia and Bayer organisations.

HEWLETT.—On September 10, Mr. Richard Tanner Hewlett, M.D., Emeritus Professor of Bacteriology in the University of London, aged seventy-five.

MAW.—At Shrub Hill, Dorking, on September 12, Mr. Mowbray Trentham Maw, fourth son of the late Mr. Charles Maw, late chairman of S. Maw, Son & Sons, Ltd., New Barnet, aged seventy.

WORMALD.—At Illingworth, Halifax, on September 13, Mr. John Exley Wormald, M.P.S., a former president of the Halifax Chemists' Association, aged sixty-one.

## PERSONALITIES

MR. B. E. KENT, advertising manager of Allen & Hanbury's, Ltd., Bethnal Green, London, E.2, has been made a Company Commander in the Home Guard.

MR. ARTHUR WORTHINGTON (manager at John Smith, Junr., & Co., Ltd., Great Lever Chemical Works, Bolton) has been appointed a justice of the peace for the Borough.

COUNCILLOR W. E. WOOLLEY, J.P., M.P.S., Blackburn (newly-elected Member of Parliament for the Spen Valley division) addressed a meeting of Blackburn business men on August 28.

MR. A. J. ESLEY, M.P.S., whose initials were incorrectly printed in the list of subscribers published in the *C. & D.*, September 7, p. 127, gave 100 guineas to the N.P.U. War Distress Fund.

QUARTERMASTER-SERGEANT LOWTHER NICHOLSON, R.A.M.C., and Sergeant R. S. Jeffery, who were previously reported missing (*C. & D.*, June 29, p. 479), are now known to be prisoners of war in Germany.

MR. CHARLES BROTHERTON (Brotherton & Co., Ltd., chemical manufacturers) has subscribed £250,000 to the Leeds War Weapons Week, in which it is hoped to raise £5,000,000. Mr. Brotherton has lent this sum free of interest.

MR. T. HARRY HEWLETT (managing director, Anchor Chemical Co., Ltd., Clayton, Manchester) has been adopted as Conservative and Unionist candidate for the Exchange Division of Manchester in a by-election occasioned by the death on active service of Lieut. P. T. Eckersley (member for the division since 1935).

MR. J. S. WALMSLEY (secretary and an ex-chairman of the Bolton Branch of the Pharmaceutical Society, and secretary of the local branch of the National Pharmaceutical Union) is leaving Bolton shortly to take up an appointment in London. A member of the Bolton Town Council since 1938, he has also served on the executive council of the Bolton Chamber of Trade.

MR. C. H. AVERILL, M.P.S., has been selected as Mayor of Lichfield for the coming year. Mr. Averill, who is a native of Stafford, comes of a family that has resided in the county for over 300 years. Educated at King Edward VI School, Stafford, and Denstone College, he qualified as a chemist and druggist in 1898 and commenced business as a chemist in Lichfield in 1900. He has taken a prominent part in municipal affairs for many years and filled the office of Sheriff in 1925-26. Mr. Averill was once previously Mayor of the City, in 1935-36.

## RECENT WILLS

MR. HENRY MAITLAND ASHTON, M.P.S., Beaumaris, who died on January 7, left £1,381, with net personality £820.

MR. HERBERT CYRIL SWANN, of 29 High Street, Pershore, Worcester, who died on March 3, left £1,044, with net personality nil.

MR. ARTHUR HENRY DEE, M.P.S., Kelston, The Avenue, Claygate, Surrey, who on April 12 left estate of the gross value of £2,402, with net personality £2,347.

MR. CHARLES THOMAS MILLS, 1 Belmont Road, Malvern, chemist who died on June 20, left estate of the gross value of £3,897, with net personality £3,859.

MR. RICHARD WILLIAM JAMES EMERSON, M.P.S., 10 Helix Garden Brixton Hill, London, S.W., who died on May 6, left £7,753, with net personality £7,721.

MR. EBENEZER BOWEN MORGAN, M.P.S., 25 Windmill Hill, Enfield, who died on February 29, left estate of the gross value of £2,144, with net personality £513.

MR. JAMES DAVID HARVEY, M.P.S., 66 Mountcastle Drive South Portobello, Edinburgh, who died on May 25, left personal estate Great Britain valued at £4,551.

MR. HORACE EDWARD COCKER, 39 Avondale Road, Luton, retired chemist and druggist, formerly of Ryburn Valley, who died on March 2 left £8,811, with net personality £8,017.

MR. ARTHUR SIDNEY VINT (Vints Cash Chemists, Ltd.), 27 Wensley Drive, Chapel Allerton, Leeds, who died on April 23, left estate of the gross value of £4,768, with net personality £3,261.

MR. ALBERT JOHN BULLEN COOPER, Ph.C., 120 Gloucester Road South Kensington, London, S.W., who died on July 26, left estate of the gross value of £4,100, with net personality £3,891.

MR. ASHLEY TUCKER WEBB, J.P., Vale House, Hertford, former chairman of May, Roberts & Co., Ltd., and a director of Sangers, Ltd. who died on July 12, left £65,106, with net personality £60,304.

MR. JAMES ANDREW JAMIESON, 28 Woodvale Avenue, Whitecraik, Renfrewshire, director of Johnson & Johnson (Great Britain), Ltd. who died on April 14, has left personal estate in Great Britain valued at £10,274.

MR. JAMES HOLDEN CROSSLEY, Fern Bank, Linthwaite, near Huddersfield, Yorks (managing director of Godfrey Woodhead & Son, Ltd. manufacturing chemists, Slaithwaite), who died on May 9, left £9,000, with net personality, £7,555.

## TRADE-MARK APPLICATIONS

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Directory and Year-Book," 1940, p. 275.

(From "The Trade Marks Journal," August 28, 1940)

"CLAYTON'S KOLA TONIC" (design of iceberg and polar bears, etc.) (use of word "Clayton" disclaimed); for preparations for making beverages (32) (IV). By E. Wyer & Sons, Ltd., 140 East Hill, Wandsworth, London, S.W.18. 612,121 (Associated).

APPLICATIONS FOR TEMPORARY SUSPENSION

(Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939)

No. 513,201, owned by Schering, Ltd.; No. 578,952, owned by Knoll Aktiengesellschaft; No. 603,235, owned by C. H. Boehringer Sohn (a Kommanditgesellschaft registered under the laws of Germany)—Boots Pure Drug Co., Ltd.

APPLICATION AMENDMENT

According to "The Trade Marks Journal" of August 28, 1940, the specification No. 611 by E. C. Haskins & Co. has been amended to "Pharmaceutical and sanitary preparations and substances and medicated wines."

(From "The Trade Marks Journal," September 4, 1940)

"AZOPOL"; for industrial chemicals (1) (IV). By British Dyestuffs Corporation, Ltd., Vauxhall Road, Slough, Bucks. 612,101 (Associated).

"ASTRACINE"; for pharmaceutical preparations for the feet (5) (IV). By Vigor Laboratories, 240 Earl's Court Road, London, S.W.5. 611,120.

"GYNOSONE"; for pharmaceutical substances for treatment of diseases of women (5) (I). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, Millbank, London, S.W.1. 611,952.

"PYLUMBRIN"; for pharmaceutical preparations (5) (IV). By Boots Pure Drug Co., Ltd., Station Street, Nottingham. 612,240 (Associated).

"NONAD"; for materials for bandaging, etc. (5) (IV). By Allen & Hanburys, Ltd., 37 Lombard Street, London, E.C.3. 612,402.

Design of St. George and the Dragon; for water filters (11) (IV). By Pura-Filters, Ltd., 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000.

APPLICATIONS FOR TEMPORARY SUSPENSION

(Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939)

No. 475,209, owned by Knoll, Ltd., and No. 530,668, owned by Bayer Products, Ltd. Boots Pure Drug Co., Ltd., Station Street, Nottingham.

CONVERSION OF SPECIFICATIONS

(Section 36 (3) and Rules 6 to 8)

From Schedule III to Schedule IV: Specification No. 349,002; by Hodgson & Simpson, 1 Westmoreland Works, Bow, London, E.3.



## CHRISTMAS UNDER DIFFICULTIES

CHRISTMAS this year will be unlike those of the last few years—different even from that of 1939, when already the country had been at war for nearly four months. A changed face of Europe has robbed the country of many of the supplies that make the festive season what it normally is. But it will still be Christmas, and there will still be the giving of presents and the sending of greetings. How can we be sure? Only consider the following imaginary incidents:—

Young Bobby Harrington of Chesterfield wakes expectantly on Christmas morning. He feels for the stocking he hung at the foot of the bed the night before. There it is still, but empty. . . .

Private Ernest Higginbotham, billeted at a peace-time holiday camp, rouses himself reluctantly at the reveille. He takes a minute or two to assemble his faculties. What day is it? Ah, Christmas! At the first opportunity he dashes off for his mail. There is a letter from his wife and a picture postcard from his five-year-old daughter. But no parcel. . . .

Mrs. Annie Hopkinson comes down in the morning and removes the blanket that served as black-out over the front door. There is the postman coming down the street on a special Christmas morning delivery. She waits, hoping for at least a tiny packet from her married daughter, who had to evacuate the children to the country. But no! Nothing more than a card!

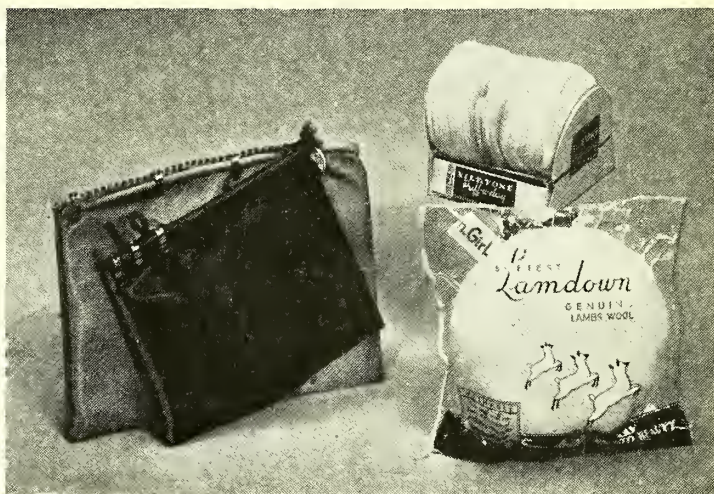
What ludicrous fancies they are! Only to set them down is to convince the reader that, quotas or no quotas, restrictions and shortage notwithstanding, Christmas will be celebrated this year much as in the past. Master Bobby will have his toy, even though his parents cannot spend quite so much on it as usual. Private Higginbotham will have his parcel from home, if it does arrive rather the worse for wear because of a praiseworthy attempt to save paper and string. And Mrs. Hopkinson will have her tiny packet, even if her daughter had to be content to buy an article less "Christmassy" than she would have purchased in a normal, peace-time, year.

"Presents," as Charles Lamb wrote, "endear Absents," and gifts will be sent to friends away from home just as they will be showered on children shielded from understanding of war's horrors, no matter how limited the choice of purchases, or what their increase in cost. Else are sacrificed the very amenities and civilities the nation is pledged to defend.

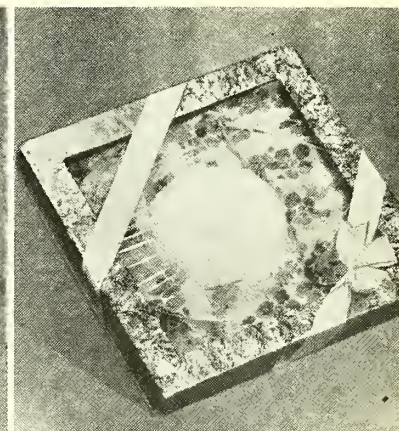
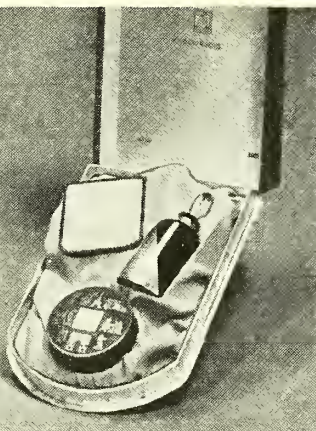
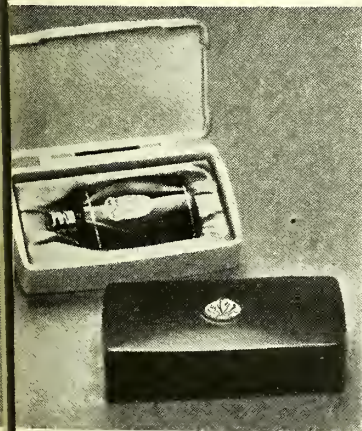
On these pages are illustrated a selection of the goods specially offered by manufacturers for the Christmas trade. A glance is sufficient to show that they are not available in the variety or elaborateness of other years. It is appreciated, too, that retailers may find that their orders are cut down to a percentage of last year's purchases. Everyone realises that it will be a difficult Christmas. But it will be Christmas.



Water & Clarke, Ltd.—"Margaret Rose," an example of a range of several all-English pot-pourri jars; floral basket (perfumed dried flowers), perennial favourite among gift buyers; floral sachet; and pot-pourri jar, "corded for hanging in wardrobe, etc.



Columbia Products, Ltd.—Suede pochettes in artistic shades, containing puffs and incorporating special slide-opening feature; Silkton pads for single applications of cosmetic preparations; and Lamdown wool puff in transparent printed envelope.



Chemical & Natural Products, Ltd.—Utility boxes of Autumn Crocus perfume in ivory (open) and black moulded containers suitable for re-use as cigarette cases or tobacco boxes.

Arjois, Ltd.—Coffret C125 for members of H.M. Forces and men generally, containing stick of Evening in Paris shaving soap and bottle

of Evening in Paris brilliantine; round-ended, tasseled coffret C119 containing Evening in Paris perfume, face powder and vanity case for loose face powder.

Columbia Products, Ltd.—Attractively-patterned handkerchief puff in transparent-lidded box.

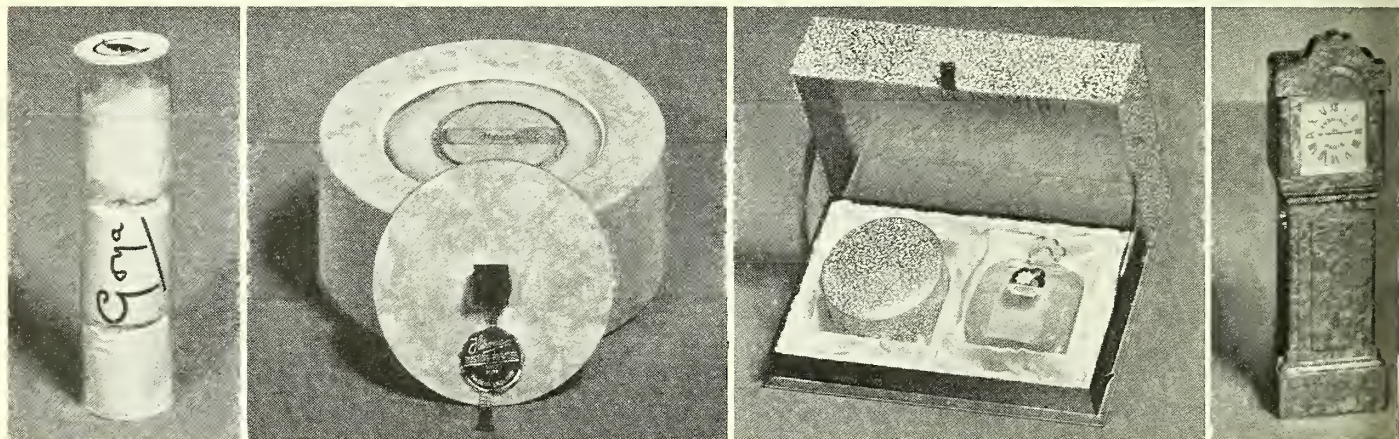


## GIFT ITEMS FOR THE CHRISTMAS TRADE



**J. Grossmith & Son, Ltd.**—Left: Old Cottage lavender bath salts in tray of nine cubes, transparent-covered. Centre: "Beauty Aids by Grossmith," a gift coffret containing face powder, lipstick and face cream.

**Abietsan Manufacturing Co., Ltd.**—"Snow Crystals"—perfumed salts in painted, clear-glass decorative jar. All decorative work is done by the company's works by its own artists.

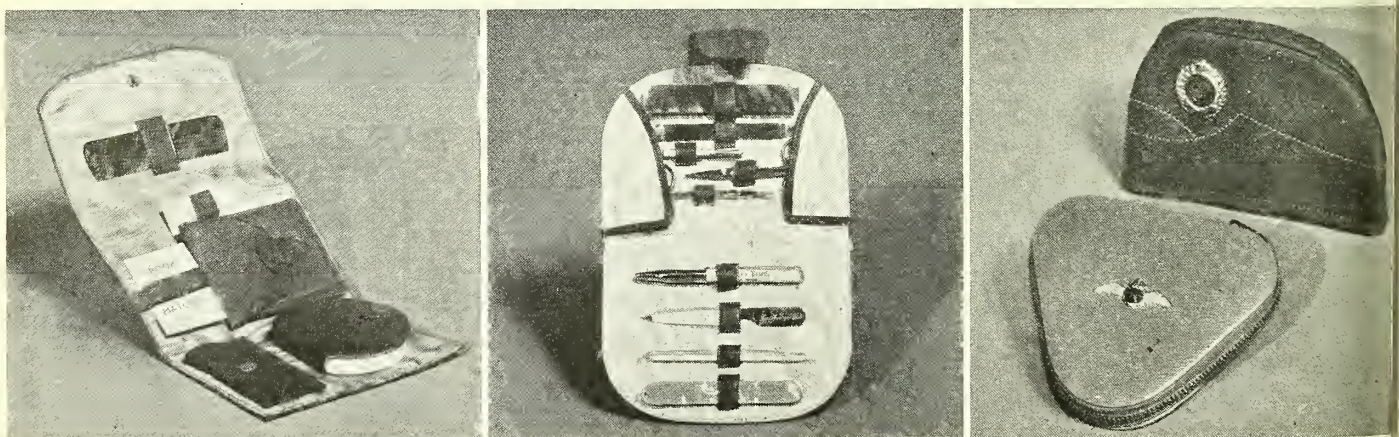


**Goya (Distributors: D. R. Collins, Ltd.)**—Christmas cracker containing three assorted handbag phials of Goya perfumes.

**Abietsan Manufacturing Co., Ltd.**—Bath dusting powder, with puff, in decorated wooden box.

**J. Grossmith & Son, Ltd.**—Gift coffret containing perfume and powder.

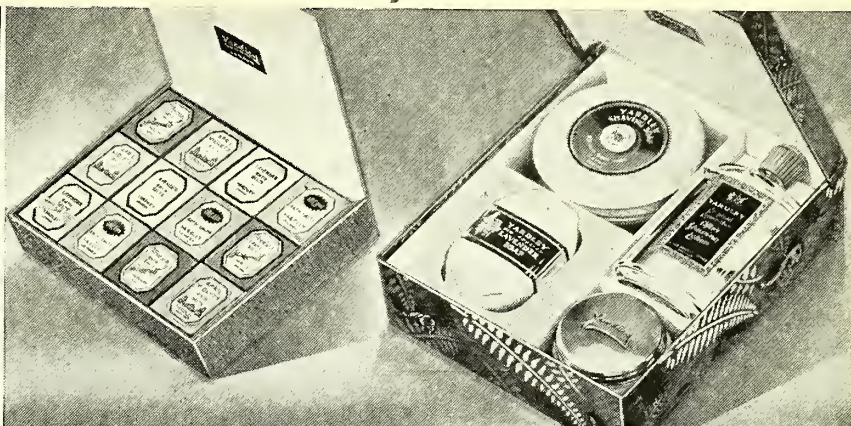
**Bourjois, Ltd.**—Evening in Paris perfume in resinoid grandfat clock novelty container.



**S. Maw, Son & Sons, Ltd.**—Service Beautikit in leather, fitted with pocket comb, purse, and containers for cigarettes, face powder, book matches and lipstick; manicure set of exclusive and unusual design, in tan, red,

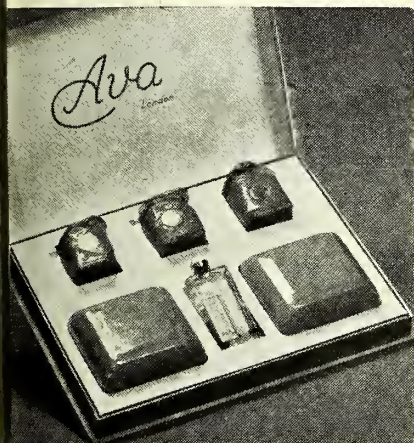
green or blue buffalo grain; forage-cap purse in suede, with zipp fastener and regimental badge; Forces vanity case in pig-grain leather with fastener and regimental badge.





**Saw, Son & Sons, Ltd.**—Frontline mirror, a highly-polished chromium plated metal mirror of substantial gauge, in leatherette case; Active Service mixed-bristle shavers in three sizes. A display stand is supplied with orders for four brushes of each size.

**Yardley & Co., Ltd.**—Gift box containing one dozen bath salts cubes in four assorted perfumes; Old English lavender gift coffret containing bowl of shaving soap, cake of toilet soap, jar of solid brilliantine, and bottle of after-shaving lotion.



**H. J. H. Ltd.**—Gift coffret containing bath salts, bath essence, and two tablets of soap in Autumn Leaves, Chelsea Flowers, or Summer Morn perfumes.

**Bronnley & Co., Ltd.**—Range of "bath toiletries" available in

honeysuckle, lavender and verbena perfumes. The full range includes bath essence in bottle of exclusive design; feathery bath crystals in jars of three sizes; bath dusting powder, with puff; talcum powder and bath cubes.

## ALCOHOLS IN ESSENTIAL OILS

The effect of ethyl alcohol on the acetylation method of determining alcohols in essential oils is discussed by John E. Han, Shanghai, China, in an article in the "American Perfumer" (August 1940).

The acetylation method universally adopted for the determination of alcohols in essential oils was found to be unreliable when ethyl alcohol or other water-soluble adulterant is present. Thus a mixture consisting of 80.03 per cent. of citronella oil (of 88.78 per cent. "total alcohol" content) and 19.97 per cent. of ethyl alcohol contains only 19.97 per cent. of "total geraniol," while 90.60 per cent. was found. By acetylation, the alcohols in the essential oil as well as the adulterant are acetylated. The acetylated adulterant is largely removed through repeated washing with brine and water, but the removal is far from being complete in the usual course of analysis. Since ethyl acetate and glycol esters have smaller equivalent weights than menthyl acetate, etc., an adulterated oil shows a higher alcohol content than the original oil treated by this method. A mixture of ethyl alcohol and menthyl glycol forms an excellent adulterant, for their ratio can be adjusted to give any desired density, and essential oils containing a small amount of such adulterants may pass most of pharmacopœial tests. Adulterants are not detected by the solubilities of the mixtures in 90 per cent. and 80 per cent. ethyl alcohol, and while the optical tests in most cases reveal such fraud, some perfumery laboratories are not equipped with polarimeters and refractometers. As a general preliminary test the author recommends that 10 mls of the original oil be shaken with 50 mls of water in a measuring separator. If the oil should measure not less than 9.8 mls. If water-soluble adulterant is present, it is evident that a determination of alcohol by acetylation is valueless. The presence of a fair amount of water-soluble

adulterant can also be observed in the course of analysis. The author recommends that washing of the acetylated oil be carried out in a measuring separator. Two measurements should be made: the first after most of the acetic acid and acetate liquor has been drawn off, and the second after the first washing with brine. The measurements do not give the actual volume of the acetylated oil obtained, because the removal of the acetylated adulterant is incomplete, and some of the acetylated essential oil is carried away by the washings. The results should be compared with previous data obtained from the same quality of oil known to be free from adulterant. Any marked difference indicates adulteration. It is not advisable to measure the acetylated oil after shaking with alkaline brine, for this causes it to be somewhat emulsified.

Three essential oils and six mixtures prepared from them were analysed for comparison. The author concludes that the acetylation method cannot be used for determination of alcohols in essential oils that have been adulterated with water-soluble materials such as ethyl and iso-butyl alcohols and ethylene glycol. He recommends that such adulterants should be looked for either in a preliminary test or during the course of analysis. An analytical certificate for a commercial sample of essential oil, showing its total alcohol content alone, is, he declares, meaningless unless accompanied by a statement indicating that it is free from water-soluble adulterant.

**SOURCE OF VITAMIN C.**—A report that the German State Railways have arranged to grow wild roses along the tracks is explained in the scientific Press by the statement that German chemists have discovered that the hips of *Rosa canina* are a rich source of the anti-scorbutic vitamin C.—"The Times."



## EAU DE COLOGNE

IN 1676 Paulo Feminis, an Italian, settled in Cologne. Feminis, a travelling merchant, saw an opening in the Rhineland city for marketing a type of toilet water better known in his own country. The success of his product, which had refreshing and hygienic properties and an attractive perfume previously unfamiliar in the country of his adoption, was instant. Feminis died in 1735, but his business, by that time well established, was continued and developed by his nephew Giovanni Antonio Farina. The surname Farina has been perpetuated in Cologne, but in reality the name that has lived on and become

preparation, for apart from all other considerations, there was a Parisian offshoot of the original Cologne concern in 1806, when Giovanni Maria Farina, a direct descendant of the nephew of Feminis, settled in the French capital and commenced manufacture of a possibly identical but certainly similar product under the name "eau de Cologne". France at that time was under a king, Louis Philippe, who granted Giovanni Maria Farina the right to style himself "fabricant d'Eau de Cologne du Roi." The goodwill provided by this recognition attracted would-be purchasers of the business and in 1840 Farina sold out



famous throughout the world is that of Giovanni's son Gian Maria, who succeeded his father in 1787. Thus today the Germanised version Johann Maria Farina is to be found on the label of many a perfumer—an index of the numerous offshoots and competitors that sprang up after the death of Gian Maria in 1835. At this distance of time, and after so many perfumers have offered their own versions of the "Acqua di Colonia," it is virtually impossible to say what the original formula was, but in all probability it was approximately as follows:—

Fresh melissa, 10 kilos; rosemary tops, 5 kilos; Florentine iris, in powder, 1 kilo; alcohol, 95 per cent., 25 litres; distilled water, 4 litres; to which was added, after macerating for twelve hours in the still and collecting 25 litres of distillate: Essence of bergamot, 310 gm.; essence of lemon; essence of sweet orange, of each 250 gm.; essence of neroli; essence of petitgrain, of each 60 gm.; essence of lavender, 120 gm.

It is clear, from what has been set down above, that eau de Cologne is doubly of enemy origin, so far as our foes of the present day are concerned. Yet it must not therefore be supposed that any present-day eau de Cologne of British manufacture is a recent imitation of a German

200,000 francs to the perfumer Colas, whose nephews, Roger and Gallet, took over the concern from their uncle in 1862. Since that time the German and French concerns have rivalled themselves in popularising "Kölnischwasser" or "eau de Cologne" throughout the world, and have attempted to establish rights in the title. This, however, they have been virtually unable to do, apart from prohibiting in France of the name Farina by firms other than Roger and Gallet. Since, by the very nature of its ingredients, the product is essentially Italian, the fact that neither Germany nor France has established a monopoly in the perfume may be regarded as intrinsically equitable. Recent history has been rather in the direction of popularising distinctive variations of the basic formula, and many excellent proprietary Colognes, of British no less than German or French manufacture, have established themselves in popular favour. Today, when the country is at war with Germany, and in an extremely complicated and difficult relation with France, attention is naturally focussed on the British-made eaux de Cologne. For that reason THE CHEMIST AND DRUGGIST has invited manufacturers to send in examples of their products and a selection of those received is illustrated on this page.



British-made eaux de Cologne illustrated on this page:—Top row, left: Cassona, in wickered bottle (Potter & Clarke, Ltd.); centre: Grossmith's, in range of five sizes (J. Grossmith & Son, Ltd.); right: Yardley's (Yardley & Co., Ltd.). Bottom row, left: Atkinson's "Gold Medal" (J. & E. Atkinson, Ltd.). Colognes in painted frosted bottles and painted wood containers (Abietan Manufacturing Co., Ltd.).



## TRADE NOTES

**TRUFOOD, LTD.**, The Creameries, Wrenbury, Cheshire, ask us to point out that the correct title of the company is as above and not printed in the *C. & D.*, August 24 and 31.

**ASPIRIN BONUS.**—Howards & Sons, Ltd., Ilford, announce that they intend to continue the special bonus on Howards' aspirin tablets on the same terms as before the war; these are indicated on another page.

**CHRISTMAS TRADE.**—Thomas Ward & Sons, Ltd., Wardenia Works, Sheffield, 1, remind chemists to carry good stocks of Wardenia razors and blades for Christmas trade. A catalogue giving details of the various stocks will be sent on request.

**AMERICAN PHARMACEUTICALS.**—Biddle, Sawyer & Co., Ltd., Empire House, St. Martin's-le-Grand, London, E.C.1, inform us that owing to special arrangements they have made they are in a position to offer pharmaceutical chemicals, drugs and essential oils of American origin at the keenest prices.

**VINOLIA Co., LTD.**—Bebington, Cheshire, draw attention in their advertisement in this issue to a large number of their lines, and indicate use not affected by the Limitation of Supplies Order, and also the prices for which there are special rates for quantities. It will be seen that Messrs. Vinolia have a wide range of packs suitable for Christmas gifts.

**BLUSH ROUGE.**—Gladys Cooper's blush rouge is being offered in a new handbag size, one dozen being enclosed in a display outer. Display material and counter leaflets in connexion with this and other products of the Gladys Cooper range may be obtained from the distributors, Messrs. Sons Lescher & Webb, Ltd., Liverpool and London, and Charles Hingley, Ltd., Manchester.

**RADIO-MALT.**—More interest than ever is being taken in the subject of nutrition, a factor which is likely still further to increase the demand for Radio-malt. The manufacturers, The British Drug Houses, Ltd., 25 Abchurch Lane, London, E.C.4, offer special terms for displays, and chemists can also obtain anti-splinter strips, linking up with this product, for the protection of windows.

**BRITISH COLLOIDS, LTD.**, Gorst Road, Park Royal, London, N.W.10, are the manufacturers of diphenylhydantoin-sodium, Crookes'. It is available in two forms of tablet, both containing 0.1 gm. of the product. One of these is a specially divided tablet which allows precise control of dosage and the other is a sugar-coated tablet which disintegrates readily when the sugar-coating has been dissolved.

**JARMAINT.**—International Laboratories, Ltd., 1-3 Smedley Street, London, S.W.8, are shortly to commence a publicity campaign to draw attention to the fact that sugar rationing need not prevent the use of Jarmaint as a cough remedy, since jam can be used in place of sugar. This procedure also has the merit of enabling the remedy to be made according to the patient's favourite flavour.

**SLOAN'S LINIMENT.**—William R. Warner & Co., Ltd., Tower Road, Lambeth, London, S.W.4, are offering chemists special trade terms in respect of Sloan's liniment. The company intends to carry out an extensive advertising campaign during the winter and it is confidently anticipated that, as in former years, the sales of this well-known proprietary will be fully maintained. A showcard to link up with the publicity is available on request.

**SEVEN SEAS COD LIVER OIL.**—British Cod Liver Oil Producers (Hull), Ltd., St. Andrews Dock, Hull, have reserved bottled supplies of biologically tested Seven Seas cod liver oil for sale through pharmaceutical channels. The Royal Navy has absorbed the deep-sea fishing fleets, so that the production of pure medicinal cod liver oil has greatly decreased. The company state, however, that sufficient quantities of Seven Seas cod liver oil will be available for this winter season.

**DURHAM-DUPLEX RAZORS.**—Many men gave up shaving by means of a razor which was popularly known as the "cut-throat" razor with a certain amount of regret, and not infrequently one hears that this old-fashioned razor gave the cleanest shave. The safety version of this type of razor is now manufactured by Durham-Duplex Razor Co., Ltd., 72 Arundel Street, Sheffield, 1. The blade of this instrument is three times heavier than the ordinary wafer blade, it is hollow ground, and fitted with a guard to prevent accidental cutting of the skin. The company state that the advantages of the razor in providing a diagonally sliding motion when shaving are resulting in steadily increasing sales.

## Business Changes

**ROME & SCHIMMER**, drug merchants, announce that communications should be addressed to them at 6 Leather Market, London, S.E.1.

**ORAX CONSOLIDATED, LTD.**, have removed their offices from King William Street, London, E.C.4, to Daneshill, Oxshott, Surrey.

**ROBERT BLACKIE, LTD.**, Peckham, London, S.E.15, have temporarily moved to 23-25 Peckham High Street. Telephone: Rodney 4656. They hope to resume services shortly.

**SYDNEY G. M. WELCH**, drug and herb importer and exporter, has temporarily removed from 9-10 Jewry Street, London, E.C.3, to 45 Cheviot Gardens, London, N.W.2. Telephone: Gladstone 2916.

**D. NAGASE & Co., LTD.**, merchants and importers, have temporarily removed from 4 Lloyd's Avenue, London, E.C.4, to "Torcroft," Holders Hill Road, Hendon, London, N.W.4. Telephone: Hendon 6009.

**A. LEVERMORE & Co., LTD.**, precipitated chalk makers, have temporarily removed from 110 Cannon Street, London, E.C.4, to 2 Lymington Mansions, Lymington Road, London, N.W.6. Telephone: Hampstead 3911.

**SHARPE & DOHME, LTD.**, advise us that in future they will be conducting their business from Brocket Road, Hoddesdon, Herts, and that as stocks are available at that address no interruption of the company's service should be experienced by customers.

## PROTECTION AGAINST NOISE

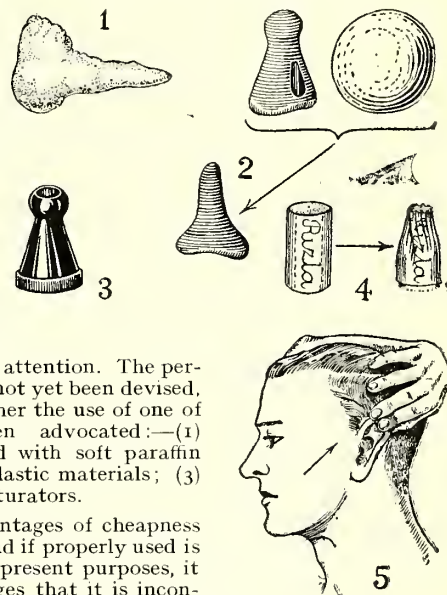
THE merits of various methods of plugging the ears for protection against the harmful effects of war noises are discussed by a correspondent in the "British Medical Journal" (4158, p. 365). The writer states that conversation with men who returned with the Expeditionary Force from Western Europe make it apparent that excessive noise, and the exploitation of this psychological weapon by the Germans, undoubtedly contributed considerably to deterioration of the morale of the civilian population of the invaded countries. The harmful effects of the undue noise may result either in local trauma of the tympanum and/or cochlea; or in general psychological, or even psychotic, disturbance.

The former lesions appear to have been relatively infrequent in the present war, and they have been fully described in medical literature; the nervous sequelae have resulted in widespread disaster but have received scant attention. The perfect "ear defender" has not yet been devised, but at some time or another the use of one of the following has been advocated:—(1) cotton-wool impregnated with soft paraffin (petroleum jelly); (2) plastic materials; (3) vulcanite and rubber obturators.

(1) This has the advantages of cheapness and easy acquirement, and if properly used is an excellent baffle. For present purposes, it presents the disadvantages that it is inconvenient to carry continually, is messy and difficult to apply effectively, even by an expert. If used it should be moulded to the shape of the aural cavity as shown in the accompanying illustration (Fig. 1).

(2) Materials such as "ohropax," "plastaplugs," "antiphones," "boules quies," etc. (Fig. 2), are composed of cotton-wool and plastine or similar substances, or of cotton-wool and beeswax. Criticisms of the use of these resemble those quoted in (1), but in addition pieces of the material may break off and fall into the deep meatus. They are more portable but are difficult to insert, and must be moulded as shown in the illustration.

(3) Obturators—such as "Mallock-Armstrong," "lilo," "simplex," "aurax" ear defenders, etc. (Fig. 3)—are undoubtedly the most satisfactory instruments, says the writer. Various types and sizes are obtainable, but they are expensive, easily lost, certainly uncomfortable for wear during sleeping hours, and it is doubtful if they could be produced in sufficient numbers to equip all members of the civilian population. Recently it was suggested by Squadron Leader J. R. Gardiner, R.A.F., that cigarette filter-tips of the "rizla" type—cotton-wool in thin paper wrapping (Fig. 4)—would fulfil most of the aural and economic requirements of an efficient "ear defender," and after adequate trial in suitable conditions these have been found to be of easy application and to afford excellent protection from undue noise. For insertion, one end of the filter-tip is rolled between the index finger and thumb, and the tapered end is gently pushed into the meatus. For the correct insertion of any ear defender it is essential that the external auditory meatus should be straightened by drawing the auricle in an upward and backward direction (Fig. 5).







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IS NOW AVAILABLE**

The latest information on this subject has been incorporated in the new edition of the C. & D. Chart of War Gases.

The Chart has been completely revised and new gases included. It is thus thoroughly up-to-date and provides in a concise and clear form a description of the chief poison gases—their effects and time action, and an outline of the First-Aid methods to be employed to casualties.

The reverse side of the Chart now contains important information on the detection of war gases.

Pharmacists will find it a useful guide in the course of their business. Customers interested in the purchase of air raid precautions goods will appreciate a copy for their own use.

Chemical manufacturers and firms engaged in all branches of the drug trade will find the chart of practical use in connexion with arrangements they make for air raid precautions, and it is suggested that copies of the chart should be distributed to their staffs. Reprints are available at the following prices, postage included:—

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E/16 Dearsin tonic.

B/17 Dollin filters.



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

for RETAILER — WHOLESALE — MANUFACTURER

*Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, The British Empire and all foreign countries.*

*Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire*

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### Working after the Warning

THE problem of maintaining production in spite of air raids has been the subject of consultations between representatives and the Government, employers and employees, with the result that, in future, the system to be adopted in industrial establishments is for work to be continued when the sirens are sounded. This public warning is to be treated as an "alert" signal by industry and watchers are to be posted on the roofs of buildings in order to indicate when workers should cease work. In this way it is hoped to continue the maximum industrial output with the maximum of protection. The Government is therefore confident that all employers and workers on essential work, including export trades, will be willing, wherever possible, to carry on after the siren until it is clear that enemy attack is imminent, and to resume work when the immediate danger has passed without waiting for the public "raiders passed" signal.

Working after the siren clearly involves risks, and it is essential these should be kept to the minimum. The suggested method for operating the scheme is as follows:—(1) Watchers for duty by day or by night should be selected by agreement between the management and the workers; (2) they should be able to reach shelter quickly from their posts and, if necessary, shelter should be specially provided for them; (3) watchers should act on evidence of enemy activity in the neighbourhood, such as gunfire, bombs, flares and searchlights; (4) the arrangement for stopping work and taking shelter and for resuming work before the "raiders passed" are matters for adjustment between the management and the workpeople, but there must be a system by which the decision to stop work is immediately communicated throughout the works; (5) a watching system can apply to outdoor work as well as to work in factories. The Royal Air Force is prepared to provide training for watchers.

The success of this alteration in the warning system will need co-operation between management and workers, particularly in the choice of roof-watchers, who must enjoy the confidence of both parties in regard to decisions as to when a "take cover" warning shall be sounded. There must also be a first-class system of internal warnings in the factory and the "spotters" themselves must be provided with adequate protection. The men who are to undertake the duty of watching must be intelligent, possessed of good sight and hearing, not of a nervous disposition and able to make decisions quickly. The scheme is a voluntary one and in recommending the proposals Mr. Winston Churchill says:—"Experience may show that the system is capable of improvement, but let us co-operate to make it work so as to minimise the dangers of surprise in these destructive attacks from our cruel and relentless enemy. Together, this plan was drawn up by employers and employed alike. So let us all work it together, improving it where we can in the light of experience, till victory comes."

### Christmas Trade Prospects

CHEMISTS in retail business, who seek a solution to the problem whether Christmas gifts will be in demand this year—sufficiently in demand, at any rate, to warrant special purchases of additional stock—may find an answer in the description "grim and gay" given by one of the daily newspapers to the country's present mood. Both aspects have been much in evidence in recent days, and it perhaps would be difficult to decide whether people have been grimly gay or gaily grim. But whereas the grimness is not likely to increase between now and December 25—and recent achievements in the air even suggest that it may lessen as time goes on—the gaiety has proved itself to be of a buoyant and uncrushable kind, for it has survived devastating attack from the air, as many a helper in London and elsewhere can testify.

The mood fits the manufacturers as well as the general public. Materials have not been available for making novelties and luxuries in anything like the variety that has been the rule in recent years, yet many makers, who deserve commendation for their enterprise, have somehow contrived to make new introductions. In this connexion attention may be directed to a pot-pourri "lantern"—a transparent drum containing the perfumed material and adapted to hanging in a wardrobe; to a new series of "bath toiletries" in three distinctive perfumes by another maker; to gift items specially designed to meet the needs of members of the Services, and particularly the women's organisations; and to miscellaneous novelties of an inexpensive kind. Other manufacturers have been able to reintroduce gifts that have given proof of their popularity in previous Christmas seasons.

It is, no doubt, a safe forecast that the season will be an "economy" Christmas, and that money will not be wasted on useless or redundant items. Every penny will have to yield its full value, and presents will be required to give service during the whole of their lifetime. Nevertheless, there is every reason to suppose that the public will buy gifts in possibly even greater numbers than usual, with the object of renewing contacts broken by the war, of sending reminders of home to men and women serving in the Forces, both at home and overseas, and of cementing new friendships made in areas to which the war has drawn or driven the givers. The tendency to buy more gifts may be heightened by the fact that opportunities for spending money in cinemas and theatres have become less than formerly, and by the likelihood that as the dark hours lengthen people may hurry home so as not to be caught out by air-raid warnings. In the family circle the talk will be of relations and friends absent in the Services or in other districts, and when such is the topic of conversation it becomes a short step to present-buying.

All these factors should react to the advantage of the chemist as against certain other classes of shopkeeper that normally cater for the Christmas gift trade. For the chemist, even without extra stocks, has abundant goods on his shelves suitable to be bought as presents without any adaptation. By judiciously adding items from the merchandise illustrated on other pages of this issue, he can offer an unrivalled selection to his customers, without running the risk of loading his shelves with stock that will be unsaleable after the season is over.

### Pharmaceutical Imports into Spain

SEVERE restrictions are placed by a recent decree of the Spanish Government on imports of foreign pharmaceutical products into Spain and on the manufacture of such products within the country's borders by foreign-owned companies. The decree prohibits importation of foreign-made preparations packed in containers ready for sale to the public or in such manner as to require simple repacking within the country. Exceptions may be made under authorisation of the Ministry of the Interior by reason of therapeutic importance when there is no corresponding domestic product or when sanitary conditions make importation necessary. Registration of foreign pharmaceutical preparations may be effected only upon express authorisation of the Ministry of the Interior. Where registration is permitted the articles may be imported and sold during a period of three years, but thereafter their proprietors must arrange for their production within Spain by Spanish-controlled organisations. Foreign products that have already been registered but which were never manufactured in Spain may be manufactured only if they have been acquired by Spanish pharmacists or companies, or if their manufacture has been licensed to Spanish concerns under arrangements for the payment of royalties or other charges properly authorised and controlled by the Ministry of Industry and Commerce. Foreign pharmaceutical preparations which have hitherto been manufactured in Spain can continue to be produced only if the rights to manufacture are ceded to Spanish companies within one year. Foreign-controlled laboratories in operation prior to July 18, 1936, must, within one year, obtain special authorisation from the Ministry of the Interior to continue manufacture, and authority will be granted only after investigation proves that they have complied with the law of November 24, 1939 (that not more than 25 per cent. of the stock of manufacturing concerns may be owned by foreigners).



# ADRIAN MYNSICHT AND JOHN PARTRIDGE

By Wm. Kirkby, M.Sc., Ph.C.

THERE recently came into my possession a pharmaceutical book with which I had previously been unacquainted. Its title page reads: "Thesaurus & Armamentarium Medico-Chemicum: or a Treasury of Physick, with the most secret way of preparing REMEDIES against all DISEASES. Obtained by Labour, confirmed by Practice, and published out of good will to Mankind. Being a Work of great Use for the Publick. Written Originally in Latine by the Eminent Physician *Hadrianus à Mynsicht*, Com. Palat. Med. Phys. and faithfully rendered into English by John Partridge Physician to His Majesty—London 1682."

Mynsicht and his "Thesaurus," as well as his inventions—the Tartar Emetic and Elixir of Vitriol—find a place of importance in the history of pharmacy, but prior to seeing the volume now mentioned I had been unaware that John Partridge had ever been associated with Mynsicht's book. At first I could think of only one person of the name who might have attempted a translation of it, but it seemed unlikely that John Partridge—the astrological quack of Swiftian fame—could have been concerned in the work, especially as the translator announced himself as physician to His Majesty. However, it was that redoubtable person who did produce a volume in English which is, in my opinion, worth bringing to the notice of all who are interested in the pharmaceutical literature of the seventeenth and eighteenth centuries. A word or two about Mynsicht and his book seem to be called for. Hadrianus à Mynsicht was physician to the Duke of Mecklenburg; his "Thesaurus" was first published in 1631. In it there is much evidence that its author was an adept in alchemy and an important member of the rearguard of the passing alchemists. This was recognised by A. E. Waite, who placed it in his catalogue of the "Works on Hermetic Philosophy and Alchemy." It became a popular work, as appears from the fact that the United States Surgeon's general catalogue records editions published in 1662, 1675, 1701 and 1707; the British Museum library contains editions dated 1651 (Latin), 1658 (Latin), 1696 (Latin), and 1682 (German); the Manchester Medical Library has a copy for 1662 (Latin); and the Royal College of Surgeons, London, contains a copy of the edition of 1646. Two of these issues emanated from Lübeck, and others from Rouen, Frankfurt, Venice and Stuttgart; ten editions at least appeared within three-quarters of a century—positive testimony to the importance of the book. Further proof of its value is supplied by other dispensatories of the seventeenth and eighteenth centuries, in which are found many of the preparations of Mynsicht. D. de Spina and Nicolas Lemery include many of them in their volumes; the latter has over sixty. Mynsicht's *Tartarus Emeticus* and *Elixir Vitrioli* became two of the best known articles in the world of physic. It is strange that there appears to be only one English translation of Mynsicht's "Thesaurus," and that it is by one of the most fantastic of the London quacks of the seventeenth century, and that the British Museum library does not contain a copy of Partridge's achievement.

John Partridge acquired fame in the world of literature as an astrological almanack-maker. Of gentlemen of this profession there were several who became well known in the later years of the seventeenth century. Among them the most famous was William Lilly, who was stated to have made shrewd and successful predictions on public affairs. He so impressed the authorities in general that he managed to procure a licence to practice physic from the Archbishop of Canterbury. A lad, John Partridge, apprenticed to a cobbler in Covent Garden, inflamed by his study of Lilly's prophetic publications, decided to follow in Lilly's footsteps and began the publication of his own almanack, after the fashion of Lilly's, in 1680. At this date he was no longer a youth, for he was thirty-six years of age, having been born in 1644. Such information as is available says that he travelled in Holland and took a degree in medicine at Leyden in 1689. This is quite probable, but what is not explicable is how it came to pass that the book with which we are concerned bears the imprint 1682 and states that he was then "physician to His Majesty." William Wadd says that he followed his occupation as a shoemaker in Covent Garden so late as 1680, and yet his translation of Mynsicht appeared within two years. Whatever little we know about him, notwithstanding the time discrepancies, goes to show that he became a person of account who had acquired money, some from a rich wife and some from his practice as a quack; enough, it seems, to obtain a medical degree and to impress the powers that be to permit of his being named as a royal physician. Further, the book proclaims him as a man sufficiently learned in Latin to undertake quite a formidable piece of translation, and possessing a fair acquaintance with the *materia medica* of his time. His address "To the Reader" is a modest performance, much unlike such efforts in fashion in those days. He confesses that "there are three or four words which remain doubtful to me what English to give them; and therefore I have put them in the English as I found them in the Latine." The items that puzzled him were the Sem. Cinæ (then known as Semen Contra—today *S. Santonica*), Antiphyllorum (so-called mother cloves—the fruits of *Eugenia caryophyllata*) and Boletus Cervinus (so-called

deer's stones—a puff-ball fungus employed as a medicine in Mynsicht's day). In the fashion of the day Partridge's work is prefaced by two laudatory efforts in verse. It is unnecessary to say more about the volume, but it is interesting to see in what estimation it was held and to be able to appreciate that Partridge was not the nonentity upon whom Swift directed his satire. From his epitaph we learn that he was physician to two kings and a queen, and that he was made a doctor of medicine at Leyden (*Medicinam fecit duobus Regibus, unique Regina; Carolo scilicet Secundo, Willielmo Tertio, Reginaeque Mariae, Creatus Medicinæ Doctor, Lugdum Batavorum*). It would not have been in accord with Jonathan Swift's character to have aimed his shafts of ridicule at one less than the leader of the quacks of his day.

## COMMERCIAL NOTES

**Paraguayan Petitgrain Oil.**—The following table shows exports of Paraguayan petitgrain oil for the years 1938 and 1939 (quantities are in kilos):—

| Destination      | 1938   | 1939   | Destination      | 1938          | 1939  |
|------------------|--------|--------|------------------|---------------|-------|
| United States .. | 24,538 | 44,775 | Great Britain .. | 590           | 2,939 |
| Argentina ..     | 69,805 | 99,087 | Belgium ..       | Not available | 1,518 |
| Uruguay ..       | 700    | 9,832  | Germany ..       | 4,035         | 1,011 |
| France ..        | 6,896  | 9,292  |                  |               |       |

**British Trade with South America.**—Two representatives of the United Kingdom Commercial Corporation are to sail shortly for the Argentine with the object of setting up an organisation to facilitate the important trade between the United Kingdom and South America. The President of the Board of Trade, acting on the recommendation of the Export Council, has authorised the Corporation to take the necessary steps to facilitate the holding in South America of adequate stocks of United Kingdom goods. As rapidly as conditions permit, the Corporation will endeavour to create in other South American countries organisations similar to that to be set up in the Argentine.

**Egyptian Henna Exports.**—The following table gives particulars of exports of henna from Egypt during the years 1938 and 1939:—

| Destination        | 1938        |        | 1939        |        |
|--------------------|-------------|--------|-------------|--------|
|                    | Gross kilos | £E     | Gross kilos | £E     |
| France ..          | 365,777     | 10,849 | 321,266     | 9,639  |
| United States ..   | 141,880     | 2,846  | 149,383     | 3,411  |
| United Kingdom ..  | 45,713      | 1,365  | 52,327      | 1,716  |
| Other countries .. | 527,738     | 15,404 | 408,654     | 12,178 |

**United States Soap Exports.**—Exports of soap from the United States during the first half of 1940 amounted to 17,330,000 lb., valued at \$1,551,000 compared with 12,750,000 lb., valued at \$1,337,600, in the corresponding period of the previous year.

**Dalmatian Pyrethrum Crop Forecast.**—It is estimated that the 1940 Dalmatian pyrethrum crop will be smaller than the harvest of 950 tons in 1939.

**United States Camphor Imports.**—The following table shows imports of crude and refined natural and synthetic camphors into the United States during the years 1933 and 1939:—

| Year | Natural, Crude |           | Natural, Refined |           | Synthetic |           |
|------|----------------|-----------|------------------|-----------|-----------|-----------|
|      | 1000 lb.       | Value     | 1000 lb.         | Value     | 1000 lb.  | Value     |
| 1933 | 1,989          | \$411,126 | 1,630            | \$490,391 | 879       | \$215,869 |
| 1934 | 2,663          | 646,023   | 1,425            | 569,671   | 659       | 258,466   |
| 1935 | 1,542          | 422,133   | 1,256            | 499,356   | 926       | 321,021   |
| 1936 | 2,286          | 624,700   | 1,049            | 470,484   | 1,967     | 637,381   |
| 1937 | 1,912          | 553,968   | 1,016            | 466,399   | 1,828     | 642,627   |
| 1938 | 784            | 236,736   | 719              | 329,013   | 564       | 207,102   |
| 1939 | 1,157          | 323,213   | 818              | 329,206   | 528       | 212,963   |

**United States Exports Increased.**—During the first six months of 1940 United States exports of chemical and allied products showed a considerable increase over those for the corresponding months of 1939. Since the commencement of the war, foreign demand for practically all types of American chemical products has been steadily increasing. Total exports of medicinal products for the first half of 1940 were valued at \$14,725,000, compared with \$9,809,000 in the corresponding period of 1939. It is reported that Latin American countries are now taking approximately 54 per cent. of the total exports in this group.

**Indian Purchase of Quinine.**—It has been announced on the Madras radio that the Standing Finance Committee, Simla, has approved a proposal to buy from Java 300,000 lb. of quinine sulphate and 50,000 lb. of cinchon bark; the total value of the purchase is about 85 lakhs of rupees (about £637,000).

**Indian Trade Marks Act.**—Under the 1940 Act, which recently received the assent of the Governor-General, the Central Government has prescribed the procedure to be followed by proprietors of trade marks used in British India in applying for the deposit of their trade marks at the Indian Patent Office. Applications for the deposit of marks under these arrangements may be made (in duplicate) not earlier than October 1, 1940, and not later than March 31, 1941.



# TRADE REPORT

Spot quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the prices for wholesale quantities of standard quality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise in the present emergency

28 Essex Street, W.C.2, September 18

REPORTS indicate that conditions in most markets have been quiet during the week, but prices are generally well maintained. The home consuming trade continues along modest lines. Business in the PHARMACEUTICAL CHEMICALS markets has been fairly satisfactory, with most prices firm. There are no price alterations of importance to record.

## Crude Drugs

Conditions have continued without much change during the week. Values are steady, and a fair routine consuming trade is passing. An average spot business is being done in AGAR, and values are fully maintained. CURAÇAO ALOES continues in fair demand, but spot supplies are now on the short side. BUCHU is dull, with no changes in values to record. CANTHARIDES is in rather poor supply, but conditions are quite steady. Business in CARDAMOMS is small. Demand for CASCARA SAGRADA is steady, with values about level on the week. Both Zanzibar and Madagascar Cloves are quoted unchanged. English and foreign COCOA BUTTER are quoted a fraction dearer on spot. DESICCATED COCONUT is steady. Quotations for all varieties of GINGER are about level. MERCURY is steady at former quotations. RUBBER is quiet. Spot and forward values of SENEGA are about unchanged. Values of all descriptions of SENNA are steady, but business is rather slow. TRAGACANTH is quiet, values of all grades being about unchanged.

## Essential Oils

Rather quiet markets are reported, most orders being for limited spot quantities. ANISE (STAR) continues fairly steady. Spot values of BAY are well maintained. BERGAMOT continues nominal and prices would have to be negotiated. BOIS DE ROSE remains firm for limited spot supplies. The demand for CASSIA continues quiet, but values are firm. Spot quotations for EUCALYPTUS remain firm, but the market is dull. No quotations are available for Sicilian LEMON, and values of hand-pressed would have to be negotiated; British makers are offering artificial substitutes at attractive prices. The controlled prices for LINSEED and OLIVE remain unchanged. A limited volume of business is reported in ORANGE. Japanese PEPPERMINT has been in fair demand. SANDALWOOD is unchanged.

## Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

| Centre           | Quoted           | Par     | September 11 | September 18 |
|------------------|------------------|---------|--------------|--------------|
| Belgian Congo .. | Frs. to £        | nominal | 176½*        | 176½*        |
| Buenos Aires ..  | Paper pesos to £ | —       | 17-02*       | 17-02*       |
| Java ..          | Florins to £     | 12-107  | 7-60*        | 7-60*        |
| Lisbon ..        | Esc. to £        | 110     | 100-0*       | 100-0*       |
| Madrid ..        | Ptas. to £       | 25-24½  | 37-25        | 37-25        |
| Montreal ..      | Dols. to £       | 4-86½   | 4-45*        | 4-45*        |
| New York ..      | Dols. to £       | nominal | 4-03*        | 4-03*        |
| Shanghai ..      | Per dollar       | —       | 3½d.         | 3½d.         |
| Stockholm ..     | Kr. to £         | 18-150  | 16-90*       | 16-90*       |
| Yokohama ..      | Per yen          | 2s.     | 1s. 2½d.     | 1s. 1½d.     |
| Zurich ..        | Frs. to £        | 22-2115 | 17-70*       | 17-70*       |

\* Rate fixed by Bank of England. Bank rate, 2 per cent.

## Pharmaceutical Chemicals, etc.

BUSINESS has continued along fairly satisfactory lines, with prices for the most part firmly maintained. There are no price alterations of importance to record.

AMIDOPYRINE.—Dealers' spot prices are firm. One cwt., about 27s. 6d. per lb.; smaller quantities, up to about 30s. per lb. for crystals, with powder 3d. per lb. extra.

AMMONIUM ICHTHIOSULPHONATE.—Spot prices are as follows: One-cwt. lots, in 14-lb. tins, about 5s. per lb., ex store.

ASPIRIN.—The following are makers' scales of prices:—

| Quantity                   | In containers of |       |       |       |        |        |
|----------------------------|------------------|-------|-------|-------|--------|--------|
|                            | 1 lb.            | 2 lb. | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
| 1 lb. and under 4 lb. ..   | s. d.            | s. d. | s. d. | s. d. | s. d.  | s. d.  |
| 4 lb. and under 7 lb. ..   | 3 10½            | 3 9   | —     | —     | —      | —      |
| 7 lb. and under 14 lb. ..  | 3 9½             | 3 8   | 3 7½  | —     | —      | —      |
| 14 lb. and under 28 lb. .. | 3 8½             | 3 7   | 3 6½  | 3 5½  | —      | —      |
| 28 lb. and under 1 cwt. .. | 3 7½             | 3 6   | 3 5½  | 3 5   | —      | —      |
| Not less than 1 cwt. ..    | 2 11½            | 2 10  | 2 9½  | 2 9   | 2 8½   | 2 8½   |
| Not less than 5 cwt. ..    | 2 11             | 2 9½  | 2 9½  | 2 8½  | 2 8    | 2 8    |
| Not less than 10 cwt. ..   | 2 10             | 2 8½  | 2 8½  | 2 7½  | 2 7    | 2 7    |

\* 8 x 14 lb. and upwards in one delivery, ¼d. per lb. less.

Sale is subject to an undertaking on part of buyer not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if he converts the aspirin into tablets, not to sell any quantity of tablets at prices or terms below scale for such quantity current at time of sale.

ASPIRIN TABLETS.—The agreed scale of prices for bulk quantities is as follows: Under 5,000, 3s. 1½d.; 5,000, 2s. 11½d.; 10,000, 2s. 10½d.; 25,000, 2s. 8½d.; 50,000, 2s. 7½d.; 100,000, 2s. 6½d.; 250,000, 2s. 6d.; 500,000, 2s. 5½d.; 1,000,000, 2s. 4½d.; 2,000,000, 2s. 3½d. per 1,000. All bulk sales are subject to re-sale clause.

ATROPINE.—No change in makers' prices: ALKALOID, 21s. per oz.; 4 oz. at 20s. 6d. and 25 oz. at 20s. per oz. SULPHATE, 16s. 6d. per oz.; 4 oz. at 16s. and 25 oz. at 15s. 6d. per oz.

Bottles, under 5 gm. or ½ oz., corked, 3d.; stoppered, 5d.; 5 gm. to 25 gm. or ½ oz. to 1 oz., corked, 3½d.; stoppered, 6d.; 25 gm. or 1 oz., corked, 3½d.; stoppered, 7½d.; 50 gm. or 2 oz., corked, 4d.; stoppered, 9d. each; 100 gm. and over, included in price; tubes, per 100, 5-gr., 10s. 6d.; 10-gr., 12s. 3d.; 15-gr., 14s.

BARBITONE.—Dealers' spot prices are as follows: One cwt., 22s. per lb.; 28 lb., 23s.; smaller quantities, up to 26s., per lb.; ex store.

BENZALDEHYDE.—Not much available; market firm. Makers are quoting a nominal price of from 3s. per lb.

BENZOIC ACID (B.P.).—Makers continue to quote a nominal price of 2s. 6d. to 3s. per lb., according to quantity. Supplies of this product are difficult.

BENZYL BENZOATE.—Makers' quote a nominal price of 2s. 9d. to 3s. per lb., according to quantity.

BORAX (B.P.).—Makers' prices unchanged. Granulated, £31; crystals, £32; powder, £32 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain, for minimum one-ton lots. Commercial quality, £8 per ton less.

BORIC ACID (B.P.).—Makers' prices continue steady and unchanged: Granulated, £45 10s.; crystals, £46 10s.; powder, £47 10s. per ton, in cwt. bags, carriage paid in Great Britain, for minimum one-ton lots. Commercial qualities, £8 per ton less.

BISMUTH SALTS.—Makers' prices are maintained at recent figures:—

|                    | Under 4 lb. | 4 lb. and under 8 lb. | 8 lb. and under 28 lb. | 28 lb. and under 1 cwt. | Not less than 1 cwt. |
|--------------------|-------------|-----------------------|------------------------|-------------------------|----------------------|
| Carbonate ..       | s. d.       | s. d.                 | s. d.                  | s. d.                   | s. d.                |
| Citrate ..         | 11 3        | 10 9                  | 10 0                   | 8 7                     | 8 4                  |
| Nitrate, cryst. .. | 13 4        | 12 10                 | 12 1                   | 10 4                    | 10 1                 |
| Oxide ..           | 7 7         | 7 1                   | 6 4                    | 5 7                     | 5 4                  |
| Salicylate ..      | 15 4        | 14 10                 | 14 1                   | 12 0                    | 11 9                 |
| Subchloride ..     | 11 9        | 11 3                  | 10 6                   | 9 0                     | 8 9                  |
| Subgallate ..      | 14 11       | 14 5                  | 13 8                   | 11 8                    | 11 5                 |
| Subnitrate ..      | 11 11       | 11 5                  | 10 8                   | 9 2                     | 8 11                 |
|                    | 9 11        | 9 5                   | 8 8                    | 7 6                     | 7 3                  |

Rebate of threepence per lb. allowed off 1-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Prices net. Payments in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of threepence per lb. is made for 1-lb. cartons and 1-lb. parcels, and it is a condition of re-sale that this extra charge shall apply even when repacking into 1-lb. cartons or 1-lb. parcels is effected by the purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale conditions are named without engagement.

BROMIDES.—Makers' prices are steady. POTASSIUM, B.P., not less than 5 cwt., 2s. 2d. per lb.; 1 cwt., 2s. 3d.; 28 lb., 2s. 9½d. SODIUM, B.P., not less than 5 cwt., 2s. 4½d. per lb.; 1 cwt., 2s. 5½d.; 28 lb., 3s. AMMONIUM, B.P.C., not less than 5 cwt., 2s. 5½d. per lb.; 1 cwt., 2s. 6½d.; 28 lb., 3s. 1d. Net. Rise-and-fall and re-sale clauses apply. Without engagement. Special prices for larger quantities. 28-lb. parcels and 1-cwt. cases or kegs free.

CALCIUM LACTATE.—Up to 1s. 8d. per lb. is quoted by makers for small quantities. Business is of modest dimensions.

CITRATES.—Makers' scales of re-sale prices are steady:—

| POTASSIUM, B.P.            | In containers of |       |       |       |        |        |
|----------------------------|------------------|-------|-------|-------|--------|--------|
|                            | 1 lb.            | 2 lb. | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
| Under 4 lb. ..             | s. d.            | s. d. | s. d. | s. d. | s. d.  | s. d.  |
| 4 lb. and under 7 lb. ..   | 3 0              | 2 10½ | —     | —     | —      | —      |
| 7 lb. and under 14 lb. ..  | 2 11             | 2 9½  | 2 9½  | —     | —      | —      |
| 14 lb. and under 28 lb. .. | 2 10             | 2 8½  | 2 8½  | 2 7½  | —      | —      |
| 28 lb. and under 1 cwt. .. | 2 9              | 2 7½  | 2 7½  | 2 6½  | 2 6½   | 2 5    |

SODIUM, B.P., one penny per lb. below corresponding prices for POTASSIUM, B.P. IRON and AMMONIUM (SCALES), B.P., threepence per lb. above corresponding prices for POTASSIUM, B.P. Prices net. All packages charged extra. It is a condition of sale that buyers undertake not to re-sell at prices below the values given. 28-lb. tins charged 2s. each.

CITRIC ACID.—Makers' price continues nominal at 1s. 2d. per lb., less 5 per cent. discount. Material in dealers' hands would be at about 1s. 6d. per lb.

COCAINE.—British makers' quotations for wholesale bulk quantities are as follows: HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 9d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. ALKALOID, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. ALKALOID, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Re-sale: Sales are subject to buyers' undertaking not to re-sell any quantity below the scale of prices for such quantity current at the time of re-sale. Export prices vary according to destination.

CREAM OF TARTAR (B.P.).—No change in makers' nominal price of 152s. per cwt., less 2½ per cent. discount. Supplies are restricted to regular consumer customers.

CREOSOTE (BEECHWOOD).—Dealers are quoting bulk quantities, in 25-kilo demijohns, at about 6s. upwards per lb.



ENETINE HYDROCHLORIDE.—Makers' price is at from 100s. to 104s. per oz., according to quantity.

EPHEDRINE HYDROCHLORIDE (B.P.).—Values range from 7s. to 8s. per oz. for ordinary quantities. Lots of 1,000 oz. would be at a slightly lower figure.

ETHERS (METHYLATED).—Makers' prices steady and unchanged:—

| Specific Gravity and Grade              | Winchester quarts, per lb. | Not less than      |                     | Drums, per lb. |
|---|----------------------------|--------------------|---------------------|----------------|
|   |                            | 6 w. qts., per lb. | 12 w. qts., per lb. |                |
| 0.750 .. .. .                           | s. d.                      | s. d.              | s. d.               | s. d.          |
| 0.735 .. .. .                           | 1 4½                       | 1 4                | 1 3½                | 1 2½           |
| 0.730 .. .. .                           | 1 5                        | 1 4½               | 1 4                 | 1 3            |
| 0.725 .. .. .                           | 1 5                        | 1 4½               | 1 4                 | 1 3            |
| 0.725, triply rectified .. .. .         | 1 7                        | 1 6½               | 1 6                 | 1 5            |
| 0.720 .. .. .                           | 1 11½                      | 1 11               | 1 10½               | 1 9½           |
| 0.720 .. .. .                           | 1 8                        | 1 7½               | 1 7                 | 1 6            |
| 0.717 .. .. .                           | 2 2                        | 2 1½               | 2 1                 | 2 0            |
| 0.720 B.P., not for anaesthesia .. .. . | 1 10                       | 1 9½               | 1 9                 | 1 8            |

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anæsthetic ethers unchanged.

GUAIACOL CARBONATE.—There is no change in makers' and dealers' quotations, which range between 12s. 6d. and 13s. per lb., ex store, according to quantity.

GUAIACOL (CRYSTALS).—Makers continue to quote at about 12s. 6d. per lb., nominal. Liquid, about 12s. 6d. per lb. Supplies continue short.

HEXAMINE.—Steady business, with free-running crystals quoted at from 2s. 10d. to 3s. 3d. per lb., ex store, as to quantity. Powder at cheaper prices.

IODIDES.—Makers' prices show no revision: POTASSIUM, B.P., not less than 1 cwt., 8s.; 28 lb., 8s. 6d.; 14 lb., 9s.; 7 lb., 10s. 2d.; 4 lb., 10s. 8d.; smaller quantities, 11s. 2d. per lb. SODIUM, B.P., not less than 28 lb., 8s. 10d.; 14 lb., 9s. 4d.; 7 lb., 10s. 9d.; 4 lb., 11s. 5d.; smaller quantities, 12s. 3d. per lb. IODINE, B.P., RESUB., not less than 1 cwt., 9s. 2d.; 28 lb., 9s. 7d.; 14 lb., 10s. 2d.; 7 lb., 11s. 7d.; 4 lb., 12s. 3d.; smaller quantities, 13s. per lb. IODOFORM, B.P. (CRYST., PRECIP. OR POWDER), not less than 28 lb., 11s. 4d.; 14 lb., 11s. 10d.; 7 lb., 13s. 9d.; 4 lb., 14s. 7d.; smaller quantities, 15s. 5d. per lb. Contracts for 1 cwt. and upwards (assorted if desired) for delivery as required during three months, with the following clause: Price applicable to any delivery is that in force on date of dispatch. One-cwt. cases charged extra; 28-lb. tins 2s. each and non-returnable. All bottles charged for but credited in full if received back carriage-paid in good condition within three months. Carriage paid on any quantity. Assorted quantities charged for at collective total prices on orders for 14 lb. and upwards. It is a condition of sale that buyers undertake not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made.

LACTIC ACID (B.P.).—Market steady; moderate business. Quantities, in 1-cwt. carboys, about 1s. 8½d. per lb.; in winchesters and bottles, about 1s. 9d. to 2s. per lb., ex store, according to quantity.

METHYL SULPHONAL.—The value of spot material would be about 40s. to 42s. 6d. per lb., ex store, for small supplies; not much business passing.

PARALDEHYDE.—Spot, about 11d. to 1s. per lb., in one-cwt. carboys, according to quantity.

PHENACETIN.—Makers' prices for ordinary quantities continue at about 3s. 9d. to 4s. per lb., without engagement. Dealers' prices are firm at from 7s. 6d. to 8s. per lb.

PHENAZONE.—Bulk quantities on spot would be worth about 17s. 6d. per lb.; small parcels, up to 22s. per lb., ex store.

POTASSIUM PERMANGANATE.—Makers' prices continue unchanged:—

| Minimum delivery of | B.P. Quality            |                         | Technical                |                          |
|---------------------|-------------------------|-------------------------|--------------------------|--------------------------|
|                     | In 1-cwt. drums Per lb. | In 5-cwt. drums Per lb. | In 1-cwt. drums Per cwt. | In 5-cwt. drums Per cwt. |
| 1 cwt. up .. .. .   | s. d.                   | s. d.                   | s. d.                    | s. d.                    |
| 3 cwt. up .. .. .   | 1 5½                    | —                       | 161 6                    | —                        |
| 5 cwt. up .. .. .   | 1 5                     | —                       | 157 0                    | —                        |
| 1 ton up .. .. .    | 1 4½                    | 1 4½                    | 154 6                    | 152 0                    |
| 4 tons up .. .. .   | 1 4½                    | 1 4½                    | 152 0                    | 149 6                    |
|                     | 1 4                     | 1 4                     | 149 6                    | 147 3                    |

Terms: Net, delivered nearest railway station in Great Britain; drums extra and returnable.

QUININE.—Quotations for sulphate are now at 59.85 American dollars per 100 oz., f.o.b. Java. The sterling quotation for sulphate, at current exchange rate, is now £14 17s. 5d. per 100 oz., f.o.b. Java.

RESORCIN.—Makers' prices continue at recent levels: Not less than 7 lb., 7s. 3d. per lb.; not less than 14 lb., 7s.; not less than 56 lb., 6s. 10d.; not less than 1 cwt., 6s. 9d. Dealers' prices for any spot material available would be about 8s. 6d. to 9s. per lb.

SALICYLIC ACID (B.P.).—Makers' scales of prices unchanged, as follows:—

| In containers of                | 1 lb. | 2 lb. | 4 lb. | 7 lb. | 14 lb. | 28 lb. |
|---------------------------------|-------|-------|-------|-------|--------|--------|
| Under 4 lb. .. .. .             | s. d. | s. d. | s. d. | s. d. | s. d.  | s. d.  |
| 4 lb. and under 7 lb. .. .. .   | 2 7½  | 2 6   | —     | —     | —      | —      |
| 7 lb. and under 14 lb. .. .. .  | 2 6½  | 2 5   | 2 4½  | —     | —      | —      |
| 14 lb. and under 28 lb. .. .. . | 2 5½  | 2 4   | 2 3½  | 2 3¼  | —      | —      |
| 28 lb. and under 1 cwt. .. .. . | 2 4½  | 2 3   | 2 2½  | 2 2½  | 2 2    | —      |
| 1 cwt. and under 5 cwt. .. .. . | 2 3½  | 2 2   | 2 1½  | 2 1½  | 2 1    | 2 0½   |
| 5 cwt. and under 1 ton .. .. .  | 1 11½ | 1 10  | 1 9½  | 1 9½  | 1 9*   | 1 8½   |
| 1 ton .. .. .                   | 1 10  | 1 9½  | 1 8½  | 1 8½  | 1 8½*  | 1 8    |
|                                 | 1 10  | 1 8½  | 1 8½  | 1 7¾  | 1 7¾*  | 1 7    |

\* 8 x 14 lb. and upwards, in one delivery, 3d. lb. less.

Prices include parcels or collapsible cartons; other packages charged extra. Can be assorted with sodium salicylate. Prices are quoted subject to undertaking on part of buyer not to re-sell any quantities at prices or terms below scale current at time re-sale is made.

SACCHARIN.—Duty-paid Convention price for 550 material continues at 98s. 4d. per lb. Neither wholesale nor retail prices are under Government control.

SALOL.—Market firm; value about 7s. to 7s. 6d. per lb., according to quality.

SANTONIN.—No change in Convention prices: 15 kilo and over, £35 ros.; not less than 10 kilo, £36 5s.; not less than 5 kilo, £37; less than 5 kilo, £38 per kilo, delivered free in the U.K.; 1-kilo tins free.

SODIUM BENZOATE.—Makers report their prices nominal at between 2s. 3d. and 2s. 6d. per lb., according to quantity. Supplies are likely to be short for some time ahead.

STRYCHNINE SALTS.—British makers' prices per oz. are as follows:—

|                               | Under 100 oz. |       | 100 oz. and under 500 oz. |       | 500 oz. and over                        |       |      | Under 100 oz. |       | 100 oz. and under 500 oz. |       | 500 oz. and over |       |
|-------------------------------|---------------|-------|---------------------------|-------|---|-------|------|---------------|-------|---------------------------|-------|------------------|-------|
|                               | s. d.         | s. d. | s. d.                     | s. d. | s. d.                                   | s. d. |      | s. d.         | s. d. | s. d.                     | s. d. | s. d.            | s. d. |
| Alkaloid, crystalline .. .. . | 2 8           | 2 7   | 2 6                       | 2 6   | Nitrate, powder .. .. .                 | 2 5½  | 2 4½ | 2 3½          | 2 3½  | 2 3½                      | 2 3½  | 2 3½             | 2 3½  |
| " precipitated .. .. .        | 2 8           | 2 7   | 2 6                       | 2 6   | " " No. 2 .. .. .                       | 1 11  | 1 10 | 1 9           | 1 9   | 1 9                       | 1 9   | 1 9              | 1 9   |
| Acetate .. .. .               | 2 10½         | 2 9½  | 2 8½                      | 2 8½  | Phosphate .. .. .                       | 3 3½  | 3 2½ | 3 1½          | 3 1½  | 3 1½                      | 3 1½  | 3 1½             | 3 1½  |
| Arsenate .. .. .              | 2 9           | 2 8   | 2 7                       | 2 7   | Sulphate, neutral, crystalline .. .. .  | 2 2   | 2 1  | 2 0           | 2 0   | 2 0                       | 2 0   | 2 0              | 2 0   |
| Arsenite .. .. .              | 2 10½         | 2 9½  | 2 8½                      | 2 8½  | Sulphate, neutral, powder .. .. .       | 2 2   | 2 1  | 2 0           | 2 0   | 2 0                       | 2 0   | 2 0              | 2 0   |
| Bisulphate .. .. .            | 2 0½          | 1 11½ | 1 10½                     | 1 10½ | Sulphate, neutral, powder No. 2 .. .. . | 1 9   | 1 8  | 1 7           | 1 7   | 1 7                       | 1 7   | 1 7              | 1 7   |
| Hydrochloride .. .. .         | 2 5½          | 2 4½  | 2 3½                      | 2 3½  |   |       |      |               |       |                           |       |                  |       |
| Hypophosphite .. .. .         | 5 2           | 5 1   | 5 0                       | 5 0   |   |       |      |               |       |                           |       |                  |       |
| Nitrate, crystalline .. .. .  | 2 5½          | 2 4½  | 2 3½                      | 2 3½  |   |       |      |               |       |                           |       |                  |       |

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

SULPHANILAMIDE.—Market steady. Values unchanged at from 10s. 3d. to 11s. 6d. per lb.

SULPHONAL.—Firm and unchanged. Dealers' prices range between 34s. to 37s. 6d. per lb., according to quantity.

TARTARIC ACID (B.P. CRYSTALS).—Makers' quotation continues nominal at 2s. 0½d. per lb., less 5 per cent. discount, with supplies reserved for regular consumer customers. Any foreign material would now be worth about 3s. 4d. to 3s. 5d. per lb.

VANILLIN.—Makers' prices steady as follows: Ex clove oil or guaiacol, five cwt., 14s. 6d. per lb.; one cwt., 14s. 7½d.; 56 lb., 14s. 9d.; less than 56 lb., 15s., carriage paid in the United Kingdom. Tins in cases are now returnable to makers.

## Crude Drugs, etc.

BUSINESS in these commodities has been quiet during the past week. Most values are steady.

ACONITE ROOT.—Value of root on spot would be about 140s. per cwt., if available.

AGAR.—Business continues on average lines, with values fully maintained. Kobe No. 1, about 8s. 3d. per lb.; Kobe No. 2, about 8s.; and Yokohama No. 1, about 7s. 10½d. per lb., ex store, duty paid. No shipment offers from origin.

ALOES.—The Curaçao variety has been in fair demand and values are steady. Spot, about 280s. to 310s. per cwt., ex store, according to quantity. Cape, in quiet demand, market steady; spot, about 57s. 6d. to 60s. per cwt. Zanzibar, leaves, about 90s. per cwt., ex store, if available. Market very firm. Last c.i.f. price from New York was at over 300s. per cwt.

ANTIMONY.—Values maintained. English 99 per cent., £90 per ton delivered; foreign regulus, £90 to £93 per ton, duty paid; Chinese regulus, £90 to £92 per ton, ex warehouse London.

BALSAMS.—Limited trade reported. *Tolu*, in short supply, quoted at 9s. 6d. per lb. *Canada* is valued at about 5s. 6d. per lb., and *Copaiba*, Para, at about 3s. 6d. to 3s. 9d. *Peru* is worth about 7s. 9d. per lb.

BENZOLIN.—Values range between £5 10s. and £6 15s. per cwt. for Sumatra. Demand is quiet.

BISMUTH METAL.—Quoted unchanged at one dollar 25 cents per lb.

BUCHU.—Market continues firm; business slow. Spot, about 2s. 9d. to 3s. per lb., ex store, according to quality and quantity.

CAMPHOR.—Fair demand for Japanese; spot, slabs, about 5s. 3d. per lb., and tablets, if available, about 6s. per lb. Continental synthetic powder, 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, quoted as follows: Flowers, one cwt., 5s. 9d.; 28 lb., 5s. 10d.; less than 28 lb., 5s. 11d. per lb. Transparent tablets, ¼-oz., one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb.

CANTHARIDES.—Stocks rather limited; market steady. Chinese, spot, about 4s. 3d. to 4s. 6d. per lb., duty paid; shipment, about 4s. 3d. per lb., c.i.f. Russian, spot, about 6s. per lb., if available.

CARDAMOMS.—Business of small account, values steady. Ceylon, spot, between 3s. 6d. and 5s. per lb., according to quality; Bombay seed, about 4s. 6d. per lb.; Mangalore seed, about 4s. 3d.; Alippy greens, about 3s. 2d. per lb.

CASCARA SAGRADA.—Spot is in fair demand and values are at about 87s. 6d. to 97s. 6d. per cwt., according to age of bark. The last shipment offer from source was at 65s. per cwt., c.i.f.

CASCARILLA.—Good silvery quill is valued at about 1s. 6d. per lb.; siftings, about 1s. 4d. per lb.

CHAMOMILES.—The value of flowers would be about 400s. per cwt. for medium quality, but supplies are difficult to obtain.

CHILLIES.—Mombasa, on spot, about 125s. per cwt. Zanzibar, f.a.q., 115s. Sierra Leone, 112s. 6d. per cwt.



**CLOVES.**—Market steady. Spot, Zanzibar, 9½d. per lb., sellers; shipment, September–October, 9d. per lb., c.i.f., nominal. Madagascar, quoted rather dearer at 9½d. per lb., in bond.

**COCOA BUTTER.**—Prime English, quoted dearer on spot at 1s. 1½d. per lb., ex wharf; foreign is now up to 1s. 2d. per lb., duty paid, ex store.

**COCONUT (DESICCATED).**—Market steady. Spot, fine, quoted unchanged at 42s. per cwt., and medium to 40s. per cwt., sellers.

**COLOCYNTH.**—Only a small business passing; dealers are quoting at about 1s. 6d. to 1s. 9d. per lb., according to quality.

**ERGOT.**—The value of Spanish-Portuguese on spot is now at about 9s. per lb., ex store. New-crop, for prompt shipment, about 6s. 6d. per lb., c.i.f.

**GAMBOGE.**—The spot value of good-quality Siam pipe is unchanged at between £25 and £26 per cwt., duty paid. Business is slow.

**GENTIAN.**—Dealers would require about 180s. per cwt. for any small odd lots available.

**GINGER.**—Market steady; quotations unchanged. West African, steady on spot at 39s. per cwt., sellers. Jamaican, spot, small-medium, 55s.; bold, in barrels, 85s. per cwt., ex store. Cochín, unwashed, 48s. per cwt., ex store.

**GUM ACACIA.**—Kordofan cleaned sorts, now quoted on spot at about 85s. per cwt.; bleached is quoted at from 125s. to 150s. per cwt., according to quality; shipment, new-crop, 45s., c.i.f., nominal.

**HENNA.**—Leaves are quoted at in the region of 85s. per cwt., ex store, for any material available. Supplies of this product are reported to be practically exhausted.

**HONEY.**—London market quiet; values fully maintained. Jamaican, spot, between 90s. and 105s. per cwt., nominal. Stocks of all descriptions limited.

**HYDRASTIS.**—Market is fully steady, demand small. Spot value of good-test root is about 22s. 6d. per lb.; untested root would be worth about 19s. to 19s. 6d. per lb.

**IPECACUANHA.**—Matto Grosso continues to be quoted at about 25s. to 26s. per lb., ex store; shipment, September, about 21s. per lb., c.i.f. Minas, between 11s. 6d. and 12s. 6d. per lb., ex store, according to test; shipment, September–October, about 7s. per lb., c.i.f. EXT. IPECAC. LIQ., 30s. per lb. for minimum lots of twelve winchesters.

**LAVENDER FLOWERS.**—Good blue flowers on spot, if available, would be valued at about 2s. per lb.

**LOBELIA HERB.**—Quoted at about 9½d. to 10d. per lb., ex store, for spot supplies.

**MENTHOL.**—Japanese, quoted on spot at about 21s. to 22s. per lb., ex store. Chinese, valued at about 15s. 9d. to 16s. 3d. per lb., ex store, as to brand; shipment, September–October, 14s. 3d. per lb., c.i.f.

**MERCURY.**—Values unchanged. The price quoted, ex warehouse London, per bottle of 34½ kilos, is £54 10s., without engagement and subject to confirmation.

**NUTMEGS.**—Steady at previously quoted prices: West Indian, spot, 80's, 1s.; 90's, 8d.; wormy and broken, 6½d. per lb.

**ORANGE PEEL.**—Thin-cut, if available, would be worth about 3s. to 3s. 6d. per lb., ex store. Bitter quarters are quoted at approximately 1s. 10d. per lb., ex store. Supplies of this product are now running low.

**PEPPER.**—Market fully steady, with values level on the week. Lampong, spot, in bond, steady at 3½ per lb.; shipment, September–October, 2½d., c.i.f., nominal. Tellicherry, spot, 4½d.; shipment, September–October, 34s. per cwt., c.i.f., Aleppy, spot, 4½d.; shipment, September–October, 34s. per cwt., c.i.f. White Muntok, spot, duty-paid, slightly dearer at 5½d.; in bond, 4½d.; shipment, September–October, 4½d. per lb., c.i.f., nominal.

**PIMENTO.**—Market steady. Spot quotations continue at 11½d. per lb., sellers; shipment, new-crop, September–October, 85s. per cwt., c.i.f.

**PYRETHRUM.**—Valued on spot at about 185s. per cwt., ex store.

**QUILLAIA BARK.**—The value of spot material would be approximately 85s. per cwt., ex store.

**RHUBARB.**—A fair demand continues for good-quality rough-round, which is quoted at between 4s. 10½d. and 5s. 3d. per lb., duty paid, according to quantity. Shensi, round and flat, quoted at about 7s. 9d. per lb., and pickings at about 5s. 9d. per lb.

**RUBBER.**—Market quiet, values about level on the week: Standard ribbed smoked sheet, spot, 12½d.; September, 12½d.; October, 12½d.; January–March, 12d.; April–June, 11½d. per lb.

**SENEGA.**—The spot value continues at about 3s. 6d. per lb. Shipment, September, quoted at about 3s. 3d. per lb., c.i.f.

**SENNA.**—Not much business passing, values steady. Best pale hand-picked Timnevelly pods quoted at 10½d. per lb., with darker grades at between 6½d. and 7½d.; f.a.q., 5½d. per lb. for leaves, about 8½d. for No. 1, 5½d. for No. 2 and 4½d. for No. 3. Hand-picked Alexandrian continue in short supply and values are nominal.

**SHELLAC.**—Spot, standard TN orange, 80s. per cwt., nominal; pure button, 102s. 6d.; fine orange, 105s. to 150s. per cwt.

**TAMARINDS.**—The value of West Indian is about 38s. per cwt., ex store.

**TRAGACANTH.**—Market quiet and unchanged. Finest selected white ribbon, £90; No. 1, white, £85; No. 2, white, £65; No. 3, white, £50; pale leaf, £30; amber leaf, £22; red leaf, from £10 10s.; woody and hoggy, from £5. Prices are per cwt., ex store.

**WAXES.**—BEES'.—Values for all descriptions are unchanged; market quiet. Spot, from 167s. 6d.; in bond, 155s.; shipment, Dar-es-Salaam, 155s. per cwt., c.i.f.; Japanese, first three brands, spot, 120s., duty paid; 110s., in bond; shipment, 110s., c.i.f. CARNAUBA.—Fatty grey, 340s.; chalky grey, spot, 330s.; Primeira, spot, 450s.

## Essential and Expressed Oils, etc.

BUSINESS in these products has continued on a modest scale, with conditions quite steady. Anise (star) is in fair inquiry. Bergamot and Sicilian lemon continue nominal. The controlled prices for linseed and olive oil are unchanged. Palmarosa is firm.

**ALMOND.**—Market steady; business of small dimensions. Expressed, about 3s. 8d. to 3s. 11d. per lb., in cwt. lots; smaller quantities, up to about 4s. 3d. per lb., ex store. Genuine French bitter is quoted at about 14s. 6d. to 15s. 6d. per lb., ex store.

**ANISE (STAR).**—Fair inquiry for small lots; values maintained. Spot, tins in cases, about 4s. 9d.; drums, about 4s. 7d. per lb., ex store. No shipment offers from origin.

**AVOCADO PEAR.**—No change in values; market steady. Spot is worth about 55s. to 57s. per gall., delivered, with smaller quantities at higher prices.

**BAY.**—Spot is worth approximately 5s. 6d. to 6s. per lb., ex store, according to quality.

**BERGAMOT.**—Spot values continue nominal, and prices would have to be negotiated between buyer and seller. British makers are offering artificial products at attractive prices.

**BOIS DE ROSE.**—Market firm; spot supplies limited. Spot, between 10s. 6d. and 11s. per lb. Shipment, about 9s. to 9s. 3d. per lb., c.i.f., in drums.

**CASSIA.**—Market firm; demand modest. Spot, if available, would be worth about 6s. 6d. to 6s. 9d. per lb. No shipment offers.

**CITRONELLA.**—A good demand continues for the Ceylon oil at steady values. Ceylon, spot, 2s. 4d. to 2s. 6d. per lb., in drums; small quantities, up to 3s. per lb.; shipment, about 1s. 6½d. per lb. Java, spot, from 2s. 6d. to 3s. per lb.; shipment, about 1s. 9d. per lb., c.i.f.

**CLOVE.**—Madagascar, steady at about 5s. 6d. upwards per lb., in drums, if available. English, quoted at from 6s. 9d. to 7s. 3d. per lb., as to quantity.

**EUCALYPTUS.**—Market dull; values maintained. 70 to 75 per cent. oil continues to be quoted at about 4s. to 4s. 6d. per lb., according to holder; shipment prices are nominal at about 3s. per lb., c.i.f. Fair supplies are due to come forward.

**GERANIUM.**—Spot supplies of Bourbon and Algerian oils are now quoted at about 35s. to 42s. per lb., for any good quality oil available. There are no shipment offers.

**GRAPEFRUIT.**—The value of genuine Californian oil would be about 12s. 6d. per lb. Genuine Florida is quoted at in the region of 11s. 6d. per lb.

**LEMON.**—No quotations are available for this oil, and values of hand-pressed would have to be negotiated. Californian distilled is quoted at about 10s. per lb., nominal. There are no shipment prices available for cold-pressed. British makers are offering artificial substitutes at attractive prices.

**LEMONGRASS.**—The value of spot would be about 4s. to 4s. 6d. per lb.; shipment, up to about 3s. per lb., c.i.f.

**LIME.**—Genuine West Indian continues to be quoted at about 30s. per lb., with other qualities at lower prices.

**LINSEED.**—The controlled price for large bulk quantities of crude, naked ex works, is unchanged at the recent reduction to £44 per ton. Distributors' prices for ordinary quantities of crude or boiled, packed and carriage paid, would be at higher figures.

**NEROLI.**—Approximately 80s. per oz. would be the spot value of pure French oil. British makers are offering artificial substitutes at attractive prices.

**OLIVE.**—The Ministry of Food controlled price paid by importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, packed in gallon tins, carriage paid, now range from 12s. 6d. to 13s. 6d. per gall., according to quantity.

**ORANGE.**—Business has been on a modest scale, with spot prices for good oil well maintained. French Guinea oil, about 6s. to 6s. 6d. per lb., according to quantity. Rhodesian oil is quoted firmer at about 10s. per lb. for available stocks. Californian is quoted in sterling at 4s. 10d. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transit overland to New York at an extra charge of five cents per lb.

**OTTO OF ROSE.**—The spot value of Bulgarian would be between 60s. and 70s. per cwt.

**PALMAROSA.**—Market firm; quotations unchanged. Spot, approximately 12s. 6d. per lb., ex store; shipment is now up to about 11s. per lb., c.i.f.

**PEPPERMINT.**—Reports indicate a fair demand for the Japanese variety. Spot, about 10s. per lb., with little available. Chinese, spot, about 7s. per lb. Several parcels afloat are quoted at 6s. 6d. per lb., c.i.f.; shipment, September–October, 6s. per lb., c.i.f. American natural oil, steady at 14s. 3d., in drums, and 14s. 7d. in tins in cases, c.i.f. Spot, steady at about 16s. per lb., ex store.

**PETITGRAIN.**—Spot values well maintained at about 11s. 6d. to 12s. 6d. per lb., nominal. Shipment offers are extremely difficult to obtain.

**ROSEMARY.**—About 5s. 6d. per lb. would represent the current spot value for Spanish oil; most offers for shipment are now in the region of 4s. 9d. per lb., c.i.f.

**SANDALWOOD.**—Genuine East Indian Mysore, in one-case lots, 19s. per lb. East Indian, produced outside the province of Mysore, 18s. per lb. for bulk quantities. English-made West Indian, 15s. per lb.; Australian, one-case lots, 16s., and five-cwt. lots, 15s. 6d. per lb.

**SPIKE.**—Good-quality Spanish oil is quoted at about 11s. to 12s. per lb., ex store; shipment, approximately 10s. 6d. per lb., c.i.f.

**VETIVERT.**—Bourbon oil is now quoted on spot at about 40s. per lb., and Java at about 35s. per lb., ex store.

**WORMSEED.**—Market steady; quotations unchanged. Spot is worth approximately 24s. 6d. per lb.; shipment, in the region of 23s. per lb., c.i.f.



## INDIAN SENNA

THE report on the senna crop for 1939-40 in the Madras Province, published in the "Indian Trade Journal," July 25, 1940, states that, at the commencement of the period under review, the outlook was unpromising, as the December-January rains had failed and it looked as if little senna could be produced. By the middle of April, however, good and sufficient rains were experienced, and both the Tinnevely and the Satur crops were assured. Owing to the lateness of the rains, the crops were delayed and actually commenced about two weeks later than usual, Satur towards the end of May and Tinnevely towards the end of June. Qualities of the respective crops have been normal. The Tinnevely crop will probably be somewhat below normal in quantity and the Satur crop about average. The entry of Italy into the war and the collapse of France cut off the last chance of business with the Continent of Europe, and there remain now as buyers only the United Kingdom and the United States of America. This naturally has reacted on prices, and Tinnevely senna has already dropped from about Rs. 70 to Rs. 50, and Satur from about Rs. 45 to Rs. 25. Owing to these adverse developments, arrivals from the interior are now less brisk than in a normal season, and a further decline in values is to be expected; freight is scarce, and many lots previously earmarked for France and other markets are now weighing heavily on the market. Senna pods are arriving in moderate quantity, and at present range in price from Rs. 70 to Rs. 80 per candy of 500 lb.

## MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

**Tomato Ripening.**—*D. L.* (2/9).—The liquid you refer to, which is being used by the Ministry of Agriculture in the investigations connected with the inducement of rapid ripening of tomatoes, is tetrachlorethane. This is placed in open vessels in the greenhouse so that it can be freely vaporised. As no report has yet been issued on these trials it is a little early to state what value can be ascribed to the method.

**Preservation of Onions.**—*D.W.* (12/9).—We think that the following publications of the Ministry of Agriculture will give you the information you require, each dealing with the subject from a different aspect:—(1) "Onions and Related Crops," Bulletin 69, 1s. (dealing with problems of the storage of onions for agricultural purposes); (2) "Crops for Pickling," Bulletin 103 (mainly for the bottling industry); (3) "Preserves from the Garden," 4d. (covering the domestic aspect of the subject).

**Cosmetics and Purchase Tax.**—*P.L.M.* (12/9).—As a retailer engaged in the manufacture in your pharmacy of chargeable goods such as cosmetics, etc., you will be required to register for the purposes of the Purchase Tax, unless your gross takings from sales of chargeable goods do not on the average exceed £2,000 a year. The limit of £2,000 is subject, however, to alteration by Treasury Order at any time deemed necessary.

**Circulars.**—*R.P.M.* (12/9).—The point you raise can best be answered by quoting the following extract from the Control of Paper, No. 16, Order, which came into force on May 27, 1940:—

"No person shall in the United Kingdom in any period of three consecutive calendar months gratuitously distribute advertising circulars of any description the aggregate weight of which exceeds one-third (or in the case of circulars advertising seeds or plants one-half) of the aggregate weight of advertising circulars of the same description gratuitously distributed by him in the corresponding three months of the year 1939."

**Hysteria or "Frights" Disease in Dogs.**—*B. M.* (10/9).—The following details of this condition are taken from "Veterinary Counter Practice": The animal, which is apparently in perfect health before the attack, suddenly stares upwards, becomes frightened, tucks his tail between his legs, and bolts, yelping loudly as if being thrashed or there was a swarm of bees after him. Occasionally the dog is found in awkward places, behind cupboards, ovens, etc., or trying to climb walls. The animal is conscious and there is no foaming at the mouth. The seizure passes away in a short time, leaving the dog quite normal, but attacks may recur frequently or at longer intervals. Get the dog under control by putting on a lead if outdoors, but indoors put the animal in a quiet, darkened room where he cannot get into mischief or hurt himself. As soon as one can safely give medicine, let the dog have one or more capsules of chlorbutol, potassium bromide and belladonna, or tablets of potassium bromide, gr. v., with or without chloral hydrate, gr. v. If more convenient, prescribe a mixture of potassium bromide, chloral hydrate and tincture of hyoscyamus, continuing the treatment with smaller doses when the seizures become less frequent until they disappear entirely. Change the diet, giving a meat ration and discontinuing the biscuits for a short time.

## POINTS FROM LETTERS

### Publicity for Vitamins

The manner in which vitamins are being publicised and are about to be used is rapidly removing them from the sphere of pharmaceutical chemicals into the realm of foodstuffs. This will be just one more example of pharmaceutical enterprise being employed on the grand scale for the benefit of another trade. In this case it will apparently be the baker.—*Ricini* (16/9).

### Dark-room Poisons

Your interesting abstract in the *C. & D.*, September 14, p. 139, on the subject of dark-room poisons raises the question as to whether there is actually any need for poisons to be in the dark-room at all. The need of the dark-room so far as chemicals are concerned is for developing purposes, and there is no reason why solutions of a poisonous nature should not be kept outside the dark-room in an adjoining cupboard. Even if it is essential for them to be kept within the dark-room, it should not be necessary to use them in the dark or in such a manner that there is any risk of poisoning.—*W.L.* (17/9).

### Glycerin Substitute

Your article on glycerin substitutes in the *C. & D.*, September 14, p. 142, brings back poignant memories of the last war. As you say, there is frequently too much of this product incorporated in cosmetic preparations, and it is even used for purposes for which there are efficient alternatives. The trouble in pharmaceutical preparations is that, in the case of many products, the use of a substitute involves a large number of experiments to find suitable substitutes, e.g. in tooth pastes, while in cough mixtures and other remedies glycerin has a medicinal virtue apart from its sweetening properties, and these are not easily replaced.—*Linctus* (16/9).

### Pharmacists as First-aiders

I would point out that the Peterborough chemists' A.R.P. scheme is but a slight modification of the arrangement the King's Lynn Branch has had with the King's Lynn Borough Council since September 1939. The difference between the Peterborough and King's Lynn schemes is that, whilst the former has, apparently, a mobile ambulance unit, King's Lynn has a number of pharmacist "first-aiders" (who are unattached to any particular pharmacy) as a mobile squad to render assistance to such auxiliary dressing stations as may be needing extra help. The King's Lynn scheme was mentioned in your columns last September, and, received favourable comment.—*F. C. Bentley*.

### Pharmacy as a Reserved Occupation

Do you really believe pharmacy should be a reserved occupation, or do you think pharmacists are frightened to fight for liberty and country? Away with pharmacy as a reserved occupation! *A. Leslie Joy*.

In the last war enlistment was at first voluntary, then came the Derby scheme, and it was not till much later that conscription was adopted. When it was, everybody was registered and called up for examination, and pharmacists had to claim their own exemption on various grounds, such as business reasons and panel service. This time conscription has been in force from the start, and pharmacists have been placed in the schedule of reserved occupations. If this schedule is to be altered, it may be that the same factors will have to be taken into consideration again. If, as suggested in your editorial (*C. & D.*, Sept. 14, p. 141), an age limit should be fixed for the calling up of pharmacists, it would take in some young men who have started in business for themselves, and these would be faced with the necessity either of closing their pharmacies or of employing a locum to take charge for the duration of the war.—*Last Time* (17/9).

### Considerate Shopping

While, as your contributor, "Xrayser," suggests (*C. & D.*, September 14, p. 136), traders themselves should openly suggest that customers shop early in the week, I question whether this would make any great difference. Experience shows that customers are not considerate in this respect and will only shop early when compelled to do so. When the closing hour was 8 o'clock there was just the same last-minute rush as there is to-day, and so far as I can see this will always be the case.—*Early Closer* (17/9).

To the best of my recollection the question of early shopping (*C. & D.*, September 14), during the last war settled itself. With one or two exceptions the air raids of that war were all carried out at night, and as the planes could not travel at the speed they do now the warnings came fairly early in the evening, so that the public went home and the shops were closed for the night. People became accustomed to shopping earlier in the day, and business went on much as usual, in spite of the evening rush hour being eliminated. It is a pity that this state of affairs did not become permanent, but with the return of more normal conditions after the war came also the return of the last-minute shopper. The situation is complicated in the present war by the frequency of daylight raids. There is no settled time at which a warning may be expected as in the last war, and on reopening there is a rush of customers all wanting to be served at once. *E.B.* (18/9).



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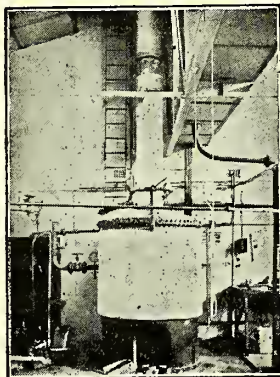
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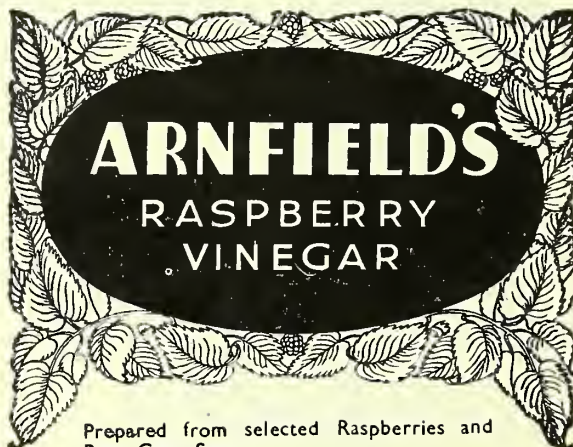
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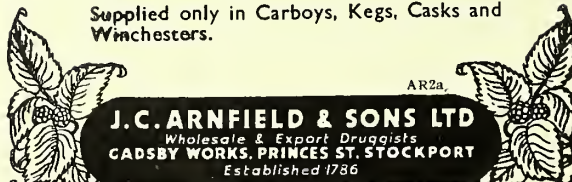
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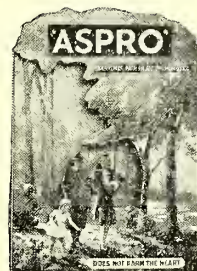
## HERE'S A TYPICAL 'ASPRO' WINDOW SHOW

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by  
**ASPRO LIMITED**  
SLOUGH, BUCKS.

Telephone: Slough 22381

No proprietary right is claimed in the method of manufacture or the formula





**SUMNER'S**  
*for*  
**DRUGS, GALENICALS  
SURGICAL  
INSTRUMENTS  
PROPRIETARY  
REMEDIES and  
SUNDRIES**  
by MAW of LONDON

A SUMNER SPECIALITY

**Vitasac**  
*The*  
**PERFECT BABY FOOD**

Vitasac succeeds where other diets fail. It is a scientific preparation of vitamins and essential food elements—added to scalded cows' milk to provide the "perfect baby" food. It is recommended in all cases of insufficient nutrition.



Vitasac is regularly advertised in a selected list of national magazines.

**R. SUMNER & CO. LTD.**

*Manufacturing Chemists*

HANOVER STREET, LIVERPOOL, 1. Telephone: Royal 6644

*English  
Filter*

**POSTLIP**  
*Papers*

SQUARES  
CIRCLES  
FOLDED  
ROLLS

WHITE  
GREY  
PLAIN  
ANTIQUE  
EMBOSSED  
CRINKLED

SAMPLES  
FREE



Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.

*Evans, Adlard & Co Ltd*

Postlip Mills, Winchcombe, Cheltenham

**ASMOLIN for Asthma**

The most profitable Asthma Treatment on the market  
Excellent display material and sales aids provided  
D. MAWDSLEY & CO., 4 & 6 Riga St., Manchester

**MARRSONA**

YEAST FOR ANÆMIA

MIDGLEY & PARKINSON, LTD.  
Warren Works, Pudsey, Leeds

**A C.F. LINE**  
WORTH YOUR ATTENTION  
**yields 50% profit**



**LOSALL'S SALT**

For Gout, Rheumatism, Eczema, and Skin Affections  
Brings a "Spa" like water into your own home.

IN TINS 1s. and 1s. 9d.

**LOFTHOUSE & SALTMER LTD. HULL**



Specify **"CARNEBROS BRAND"** British made

ALOID - BISMUTH SALTS  
CHRYSAROBIN  
EPHEDRINE & SALTS  
PODOPHYLLIN  
QUININE SALTS  
SANTONIN - STRYCHNINE

*Packed to suit customers' requirements for Home or Export Trades*

**CARNEGIE BROS. LTD.**

227-9 ESSEX ROAD - LONDON - N.1

'PHONE: GLISSOLD 4761 (4 LINES) 'GRAMS: CARNEBROS LONDON CODES: A.B.C. 6TH BENTLEY & MARCONI

TEMPORARY ADDRESS:

**TEWIN ROAD, WELWYN GARDEN CITY, HERTS**

'Phone: Welwyn Garden 506/7

'Grams: Carnechem, Welwyn Garden Codes: A.B.C. 6th Bentley & Marconi



**NOW** is not too soon!

Better late than never, but NOW is not too soon to start selling Box's Pills.

They've been earning good profits for a steadily growing number of Pharmacists for over 50 years and could be doing so for YOU, TO-DAY.

**BOX'S PILLS**

P.A.T.A. Retail Prices  
1/3 3/- 5/- & 22/-

**W. H. BOX, 161 KING ST., PLYMOUTH**

**Standard Synthetics Ltd.**

Managing Director: J. L. HINDLE, B.Sc.

**SPECIALISTS IN PURE ESSENTIAL OILS**

*We are actual distillers and first-hand importers of:—*

AMBER OIL RECT.  
CINNAMON BARK OIL B.P.  
GENUINE OIL OF WINTERGREEN  
FRENCH LAVENDER OIL B.P. 40%  
EUCALYPTUS OIL B.P.  
SWEET ORANGE OIL  
PEPPERMINT OIL TRIPLE RECTIFIED B.P.  
PEPPERMINT OIL AMERICAN  
LEMON OIL B.P. HAND PRESSED  
TERPENELESS OIL OF LEMON  
ANISEED OIL B.P.  
CAMPHOR OIL  
CLOVE OIL 90% B.P.

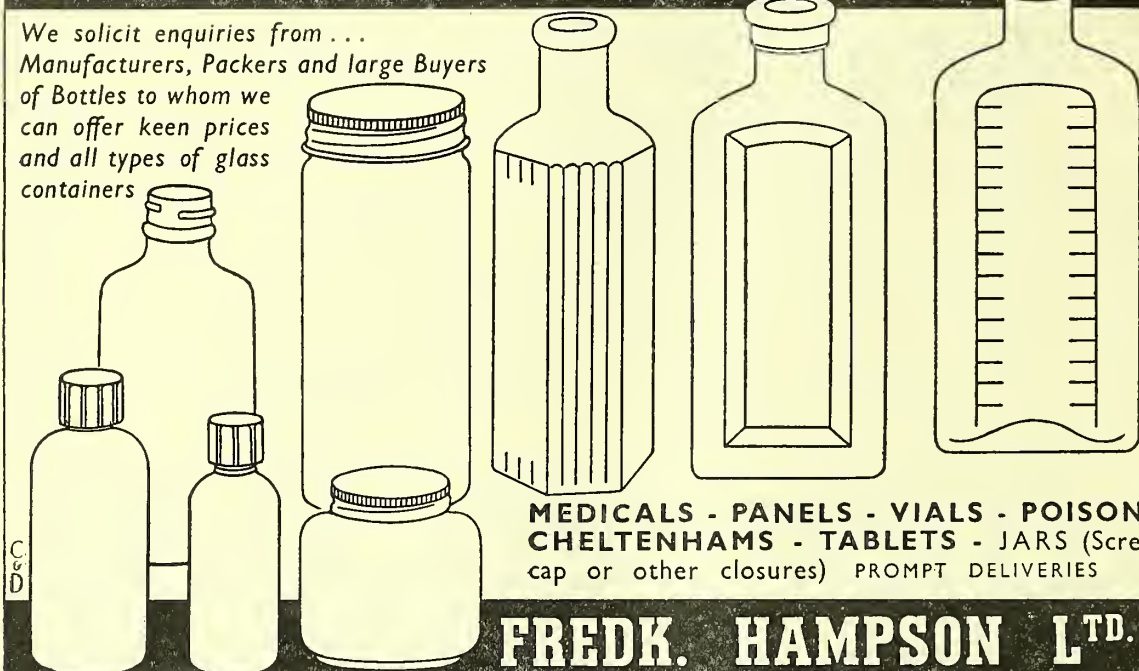
★ All Goods in Stock. Prompt Service. Quick Deliveries

**76/78 GLENTHAM ROAD, BARNES  
LONDON, S.W.13** Phone: Riverside 3616/7



# BOTTLES...with Selling Power!

We solicit enquiries from...  
Manufacturers, Packers and large Buyers  
of Bottles to whom we  
can offer keen prices  
and all types of glass  
containers



MEDICALS - PANELS - VIALS - POISONS  
CHELTENHAMS - TABLETS - JARS (Screw  
cap or other closures) PROMPT DELIVERIES

**FREDK. HAMPSON LTD.**  
ESTABLISHED 1851

TELEPHONE: TRAFFORD PARK 0814-5

PERSEVERANCE GLASS WORKS SALFORD. 5

## COMPOUND SYRUP OF "FELLOWS" HYPOPHOSPHITES

For "run-down" conditions, and as a Tonic during and after convalescence, Compound Syrup of Hypophosphites "FELLOWS" has the support of the Medical Profession.  
Such care is devoted to the preparation of "FELLOWS", that only by making sure of the name can you be certain of the same unvarying quality.  
When you are asked for a tonic, remember that "FELLOWS" has been in the forefront for more than 60 years and—it still leads.

FELLOWS MEDICAL MFG. CO., LTD.  
286, St. Paul Street West,  
Montreal - - - Canada



# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

SEPT. 21  
1940

## IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath.

### THIS IS THE TARIFF

AGENCIES,  
GOODS FOR SALE,  
PARTNERSHIPS,  
PATENTS,  
PREMISES TO LET,  
FOR SALE or WANTED

7/6 for 36 words or less,  
2d. for every additional  
word.

SITUATIONS { 2/6 for 18 words or less, 1d.  
WANTED { for every additional word.

LEGAL NOTICES,  
SALE BY AUCTION,  
TENDERS—AND ALL  
SPECIALLY SPACED  
ANNOUNCEMENTS

1/9 per nonpareil line.  
(12 lines = 1 inch, single  
column.)

BUSINESSES for  
DISPOSAL  
BUSINESSES WANTED  
SITUATIONS OPEN

7/6 for 40 words or less,  
2d. for every additional  
word.

BOX OFFICE NUMBER  
1/- EXTRA

MISCELLANEOUS SECTION  
(for Wholesalers, etc.),  
for odd and second-hand  
lots.

12/6 for 60 words or  
less, 1/- for every addi-  
tional 10 words or less.

Advertisements received after these times will not be inserted until the following week. All advertisements should be prepaid and to avoid disappointment send your instructions as early in the week as possible to

THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH  
or to London Office at 28 Essex Street, Strand, London, W.C.2.

## LONDON COLLEGE OF PHARMACY

Founder: H. WOOTTON, B.Sc. C. W. GOSLING, Ph.C.  
Principal: IRVINE G. RANKIN, B.Sc., Ph.C.

### SPECIALISTS IN TRAINING PHARMACISTS

NEXT SESSION will commence on Oct. 2nd for  
9 Months Prelim. Scientific  
9 Months Chemist and Druggist  
3 Months Separate Revision (PS and C & D)

Benches now being reserved.

361 CLAPHAM ROAD, S.W.9 Telephone:  
BRIXTON 2161

## OPTICAL TUITION

FOR THE  
S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations  
Particulars:—

C.A. SCURR, F.S.M.O., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.  
50 HIGH STREET, BARNET, LONDON, N.

## ALL HOSPITAL PHARMACISTS & DISPENSERS SHOULD JOIN AT ONCE

The National Assoc. of Chemists' Assistants  
INCORPORATED IN THE CHEMICAL WORKERS' UNION  
BENEFITS: Trade Protection, Legal Aid, Unemployment Benefit  
Free Use of Employment Bureau

WRITE FOR PARTICULARS: Arthur J. Gillian, Gen. Sec.  
149 Newington Causeway, London, S.E.1

## GOOD SUPPLIES OF VERY NICE KIBBLED KARAYA GUM FOR DISPOSAL

WRITE BOX CDB/166, OFFICE OF THIS PAPER

## BUSINESSES FOR DISPOSAL

FACTORY for Sale. Well equipped with Pharmaceutical plant. Ample ground for extension. 160 miles west of London. Residential area. 345/10, Office of this Paper.

## SITUATIONS OPEN

### RETAIL (HOME)

DORSET. A Vacancy will shortly occur for unqualified well-recommended and capable Assistant Dispenser to replace Assistant going to College. Apply with full particulars of experience, age, height, and if possible photograph, returnable. Clark, Chemist, Dorchester.

ASSISTANT with good dispensing experience required in good class pharmacy, lady or gentleman. Please state age, experience, salary required, and when available. Henneman, 84 High Street, Sutton, Surrey.

ASSISTANT (Unqualified) for brisk retail and dispensing business required September 30. S.W. London suburb. State age, height, details of experience and salary required 345/6, Office of this Paper.

JUNIOR or Improver required. Lady preferred. One whose home is in Birmingham district. Rex Allen, Chemist, 53 High street, West Bromwich.

LADY Assistant for Toilet (good class) and Counter. (Reception area.) State salary, experience, and when free. Photo if possible. Easy hours. No Sunday or holiday duty. Milo Turner, Chemist, Tamworth, Staffs.



**LADY**, Qualified or with apprenticeship (indentured), required by firm of distributors in the West End of London, full or part time. Reply stating qualifications, salary, age, etc., PCB 346/36, Office of this Paper.

**MANAGER**, Qualified, able to take charge Central London Pharmacy. Best Dispensing experience essential. Apply "A," 369/526, Office of this Paper.

**QUALIFIED Assistant** required, male or female, for Central Drug Department; permanency. Apply, stating age, experience, etc., and salary required, to Lockhurst Lane, Co-operative Society, Ltd., Holmsdale Road, Coventry.

**UNQUALIFIED Assistant**, quick and reliable. Dispenser essential; good all-round experience. Give full particulars as to age, experience, salary required, when disengaged. 347/1, Office of this Paper.

**WANTED immediately**, Unqualified Assistant, male or female. Dispenser and Counter-hand. Age, experience and references in first letter. Apply, Relph, Chemist, Harlow, Essex.

**WANTED**, young Lady Assistant with some knowledge of Shop Work and Stock-keeping. Easy hours. Must live near New Cross. Apply Hay's Drug Stores, Ltd., 85 Clifton Rise, New Cross, S.E.14.

### WHOLESALE

**INVOICE Clerk** required for London Wholesale Druggists. Write, stating experience, etc. 365/381, Office of this Paper.

**OLD-ESTABLISHED Firm** of Chemical Manufacturers in the North have a vacancy for a Chemist, M.Sc. or Ph.D., well versed in the manufacture of fine chemicals and pharmaceuticals. Please state age and experience. 369/525, Office of this Paper.

**TABLET Maker and Sugar Coater** wanted, for London Wholesale Druggists. 365/382, Office of this Paper.

## SITUATIONS WANTED

### RETAIL (HOME)

**EXPERIENCED Assistant**, unqualified. Permanency, married, 51 years of age. Dispensing or counter. Briggs, 10 Cordelia Crescent, Rayleigh.

**EXPERIENCED Young Lady** seeks post as Chemist Assistant; expert knowledge of Toilets. "D," 130 Southgate Road, Dalston, N.1.

**CHEMIST**, middle-aged. Active, abstainer, requires position, period or otherwise. Free Sept. 30th, London and other experience. Harris, Castlewood, Ystradgynlais, Breconshire.

**LADY Dispenser (Hall)** seeks post. Ten years' experience private and N.H.I. practices. Books, dressings. Excellent testimonials. Doct. Hospital. Anywhere. 348/3, Office of this Paper.

**MEDICAL Representative (Pharmacist)**; 18 years' experience calling on Doctors and Hospitals; desires post with good firm. Car owner. 369/503, Office of this Paper.

**QUALIFIED experienced Lady Dispenser (Hall Certificate)** requires post in Midlands. Miss J. Straw, 130 Herrick Road, Loughborough, Leics.

**QUALIFIED Chemist** seeks post London or near. Experienced all branches retail. Age 30. 346/4, Office of this Paper.

**UNQUALIFIED**, middle-aged, active, 30 years' experience Dispensing and general work. Excellent references (London), "Mack," 35 Parolles Road, N.19.

### LOCUMS SEEKING ENGAGEMENTS

**LOCUM or assistant (47)**. Unregistered. Thoroughly experienced. Tall, good personality and references. Salary approx. £3. "X," 5 Summerleaze, Lydney, Glos.

### WHOLESALE

**D.D.A.S. POISONS**, etc., Stocks, Counter, Records; home and export, wets or dries; over military age. 12 Tasmania Terrace, London, N.18.

**PHARMACIST (30)**, experienced Medical Representative, with sound connexion amongst Doctors, Chemists and Hospitals in Yorkshire, requires similar position with good house. Knowledge therapeutics. Car owner. Would consider representation with Proprietary House amongst Chemists, where initiative, industry and integrity can be used to fullest advantage. 339/6, Office of this Paper.

**QUALIFIED Chemist**, 45, calling upon chemists and stores, with packed drugs, in four northern counties, seeks additional non-clashing line. 345/3, Office of this Paper.

## AGENCIES

**PHARMACEUTICAL Chemist** of Northern Ireland, returning there shortly, desires agencies for good-class pharmaceutical specialities and sundries. Excellent connexions. Carry stocks, undertake distribution, young, energetic. At present in London, interviews welcomed. 348/2, Office of this Paper.

## BUSINESS OPPORTUNITIES

**WELL-EQUIPPED South African factory** will undertake manufacture and/or marketing toilet preparations and soap. Reply to United Baltic Corporation, Ltd., 158 Fenchurch Street, London, E.C.3.

## LIMITATION OF SUPPLIES

THE following explanatory memorandum on the Limitation of Supplies Order has been issued at the request of distributors of proprietary medicines who are members of the Wholesale Drug Trade Association.

You will have noted that by the institution of the Limitation of Supplies Order, wholesalers are restricted in their sales to not more than two-thirds the value of a considerable number of articles, including toilet and perfumery, and general sundries, as compared with a corresponding period of last year. It will be realised that this position creates many additional difficulties, which might have been largely overcome if the Limitation Order had been imposed upon the manufacturers rather than the wholesalers.

It must be recognised that the wholesalers have to make many alterations in their general methods so as to carry out this Order, for example:—

(1) A careful check will have to be kept on all quantities sold.

(2) A number of manufacturers, who have previously themselves obtained and executed orders, are now passing such orders over to the wholesaler for execution, but the wholesaler has an insufficient sales quota to execute such orders, as he is limited to two-thirds of what he had previously for supply to regular customers and this two-thirds applies to the whole class of goods, not just to individual products.

(3) The wholesale trade is bound to confine quantity orders to customers who have been in the habit of buying the same lines in quantities from them in the past. "Specials," insofar as they are for articles in Class 16 (Toilet and Perfumery) can only be obtained in exceptional cases.

When statements have been made by manufacturers that wholesalers are not restricted and can get full quantities of their stock from the manufacturers, this is only partly true—they can buy the stock, but they cannot sell beyond the quota in that class of goods allowed to them by this Order. It should be appreciated also that many restrictions are placed upon the wholesaler by demands on the staff for national service, and also in the use of stationery, petrol, and many other things. It would be an advantage if customers were careful to see that their names appear on all their orders, and that the orders sent by post are correctly stamped. It is anticipated that the wholesaler will shortly be under the necessity of complying with the conditions of the Purchase Tax, and this, with the Limitation Order and shortage of staff, represents an almost intolerable burden.

As heavy taxation will have to be paid over to the Revenue periodically, it will be impossible to continue the length of credit that many retailers have had in the past, the recognised monthly payment will have to be more rigorously adhered to, and the return of goods for credit by customers cannot be entertained as in other times. Considerable delay in regard to the rendering of invoices is inevitable under such conditions, and the retailer will be able to appreciate that the wholesaler cannot accept responsibility when such delay occurs. It is hoped that, with the passing of these restrictions, business will be able to resume a normal course but, meanwhile, the wholesalers bespeak the help and consideration of their customers in regard to the difficulties with which they are faced.

### Trade Report

**SEEDS**.—ANISE.—Spot, Bulgarian, 90s., in bond; 95s., duty paid. CANARY.—No stocks available. MOROCCO, 45s., duty paid, nominal. CARAWAY.—Spot, Dutch, quoted at 185s., duty paid, for one to two-bag lots. CORIANDER.—Spot, Morocco, 43s. 6d., duty paid; 42s. 6d., in bond, ex wharf London. CUMIN.—Spot, Malta, 130s., duty free. DILL.—Spot, Indian, 45s., ex store Liverpool. FENNEL.—Spot, Indian, 52s. to 55s., duty free; Iran, 52s. 6d. to 54s., in bond. FENUGREEK.—Spot, Morocco, 22s., duty paid, and 21s., in bond, ex store London or Liverpool. MUSTARD.—Fair quality, 65s. to 67s.; bold, 68s. to 75s.

**TURMERIC**.—Spot, market quiet; Madras and Rajapore finger quoted at 45s. No freight available for shipment.



# BRITISH MADE ALKALOIDS AND FINE CHEMICALS

# Whiffen

BROMIDES IODIDES  
MERCURIALS ATROPINE  
CAMPHOR NICOTINIC ACID  
SALICIN CAFFEINE EMETINE  
QUININE STRYCHNINE NICOTINE  
VERMILION PRUNELLA  
ESSENTIAL OILS CLOVE OIL  
SANDALWOOD OIL ALMOND OIL  
EXTRACT OF IPECAC. LIQ.  
DRUG GRINDING

## WHIFFEN & SONS LTD.

INCORPORATING GEORGE ATKINSON & COMPANY. EST. 1654

FULHAM · LONDON · S.W.6

'PHONE FULHAM 0037 'GRAMS WHIFFEN LONDON



## PHARMACEUTICAL CHEMICALS

Spot—in Bond, C.I.F. on Contract

## ALKALOIDS—REAGENT CHEMICALS

## BOTANICALS

We can quote strictly competitive prices either for spot delivery or on contract and request the opportunity of proving we are competitive

*Phone National 3831 for enquiries for—*

Owing to very special arrangements which we have made with one of the leading firms of American brokers, we are now in a position to obtain for our friends closest prices on all Pharmaceutical Chemicals, Drugs and Essential Oils of American origin.

No quantity too large, all enquiries given immediate and careful attention.

*We know we can serve you—give us the opportunity!*

# BIDDLE, SAWYER & CO LTD

*Incorporating—*THE OLD STRAND CHEMICAL & DRUG CO.

**EMPIRE HOUSE, ST. MARTIN'S-LE-GRAND  
LONDON, E.C.1**

Telephone: NATional 3831 (5 lines) Telegrams: BIDSAWYA, CENT, LONDON







